Web Development
What is web?

• The Web, or World Wide Web, is basically a system of Internet servers that support specially formatted documents.

The documents are formatted in a markup language called HTML (Hyper Text Markup Language) that supports links to other documents, as well as graphics, audio, and video files.
Developer

- Frontend developer
- Backend developer
- Full stack developer

**Front-end web development**, also known as client-side development, is an area of Web Development and is responsible for creating and maintaining websites.

**Back-end web developers** create Web Application that use web pages created by **front-end** web developers as user interfaces.

The term **full-stack** means developers who are comfortable working with both back-end and front-end technologies.
Why web site? How website uses to organization level, students and individual?

• It is tool for Communication with world
• Share or Transfer the documents and data
• Buy and sell products
• Advertising
• E learning
• Personal Website
• Gaming & software etc
Types of websites?

• Static Website
• Dynamic/Responsive
• Liquid
Static website

- static Web pages contain the same prebuilt content each time the page is loaded.
Dynamic Website

- Changing Or Lively Therefore
Liquid or Fluid design Layout

• Compatible for any devices
• Device width

**CODE**

```html
<meta name="viewport" content="width=device-width, initial-scale=1.0"/>
```
What is domain?
What is the Importance of domain?

- Address of your Website
How to register for domain?
Where to register?
Web hosting and email

GoDaddy.com

BIGROCK
Domains, Websites and more...
Content writing

• A person who specialized in Providing relevant Content for the website

• Every Website has a specific Target audience and requires a different types and level of content.
• Universal Resource locator
• It is a address for the file that has to be accessed over the Internet
• Hyper text Transfer protocol
• Secure HTTP
http & https

- http or https://www.ennovator:80/careers/ui designer.html
- scheme://prefix.domain:port/path/filename.
- scheme - defines the type of Internet service (most common is http or https)
- prefix - defines a domain prefix (default for http is www)
- domain - defines the Internet domain name (like w3schools.com)
- port - defines the port number at the host (default for http is 80)
- path - defines a path at the server (If omitted: the root directory of the site)
- filename - defines the name of a document or resource
Types of technologies

• Html,
• css,
• Javascript,
• Bootstrap,
• php,
• angular js..etc.
prerequisites:

• installed browser, and note pad

browser:

internet explorer, safari, fire fox, opera, Google chrome.

• note pad: notepad++, note pad Atom (IDE) etc.

Extentions: A file extension or file name extension is the ending of a file that helps identify the type of file in operating systems such as Microsoft Windows. For example, the file name "myfile.txt" has an extension of ".txt", which is a file name extension associated with text files

• examples: .txt, .html, .exe,
Save as (.html)
HTML stands for Hyper Text Markup Language, which is the most widely used language on Web to develop web pages.

HTML was created by Berners-Lee in late 1991 but "HTML 2.0" was the first standard HTML specification which was published in 1995. HTML 4.01 was a major version of HTML and it was published in late 1999. Though HTML 4.01 version is widely used but currently we are having HTML-5 version which is an extension to HTML 4.01, and this version was published in 2012.
Default HTML Tags

```
<HTML>
<HEAD>
<TITLE></TITLE>
</HEAD>
<BODY>
</BODY>
</HTML>
```
HTML FORM

- HTML Forms are one of the main points of interaction between a user and a web site or application.
- They allow users to send data to the web site.

- An HTML Form is made of one or more widgets.
- Those widgets can be:
  - text fields (single line or multiline),
  - select boxes,
  - buttons,
  - select
  - options
  - textarea
  - frame
  - fieldset
BASIC HTML PROGRAM

- `<!DOCTYPE html>`----- this tells which type of code we write
- `<html>` --------this tells the browser this is an HTML file (open tag)
- `<head>` -----this is head tag
- `<title>`This is document title</title>---this rendered text over the tab
- `</head>` ------closing tag
- `<body>` -----this tag enables what we write here that will be shown on the HTML document (work area)
- `<h1>`This is a heading</h1> ---this is heading tag
- `<p>`Document content goes here.....</p> this is paragraph tag
- `</body>` -----this is closing tag ------
- `</html>` -this is closing tag ---------
what is CSS

• CSS is a style language that defines layout of HTML documents. For example, CSS covers fonts, colors, margins, lines, height, width, background images, advanced positions and many other things.

history:
• In October 1994, Tim Berners-Lee formed the World Wide Web Consortium, (W3C) at the Massachusetts Institute of Technology Laboratory for Computer Science.
what is JavaScript?

- JavaScript is a dynamic computer programming language. It is lightweight and most commonly used as a part of web pages, whose implementations allow client-side script to interact with the user and make dynamic pages. It is an interpreted programming language with object-oriented capabilities.
Hands on training session
Introduction To Html

<html>
<head>
<meta charset="UTF-8">
<meta name="description" content="Free Web tutorials">
<meta name="keywords" content="HTML,CSS,XML,JavaScript">
<meta name="author" content="John Doe">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
</head>

<title>Ennovator – workshop </title>

Background Image

<body background="http://www.planwallpaper.com/static/images/518164-backgrounds.jpg" >
Logo on left side

```
<div style="width:128px;height:50px">
<img src="C:\Users\lenovo-pc\Desktop\New folder\aplogo (2).png" align="left" style="width:128px;height:128px">
</div>
```
Image as link

- `<div align="right">`
- `<pre>   <a href="#home"><img src="C:\Users\lenovo-pc\Desktop\New folder\home.png" style="width:125px;height:35px"></a>`
- `<a href="#about"><img src="C:\Users\lenovo-pc\Desktop\New folder\about.png" style="width:125px;height:35px"></a>`
<!DOCTYPE HTML>
<title>this is workshop</title>
<meta charset="UTF-8">
<meta name="description" content="Free Web tutorials">
<meta name="keywords" content="HTML,CSS,XML,JavaScript">
<meta name="author" content="John Doe">
<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Ennovator - workshop</title>

<body style="background-image:url(http://www.planwallpaper.com/static/images/518164-backgrounds.jpg); background-repeat: no-repeat; background-attachment: fixed;">
  <div style="width:128px;height:56px">
    <a href="#home"><img src="C:\Users\lenovo-PC\Desktop\New folder\logo (2).png" align="left" style="width:110px;height:110px"></a>
  </div>
  <div align="right">
    <a href="#home"><img src="C:\Users\lenovo-PC\Desktop\New folder\home.png" style="width:120px;height:35px"></a>
  </div>
  <a href="#about"><img src="C:\Users\lenovo-PC\Desktop\New folder\about.png" style="width:150px;height:40px"></a>
  
  <div align="center">
    <a id="home">
      <h1 style="color: red">Welcome to the Andhra Pradesh human resource development</h1>
    </a>
  </div>
  <p style="margin: 20px; font: 10px helvetica;">
    APEDN Institute, is established to be developed as a State of the Art Training Complex. This Institute is meeting the training and capacity building requirements of staff of Govt. Departments, Undertakings and other Public Functionaries.
  </p>
</body>
This Institute is meeting the training and capacity building requirements of state of the art training complexes.

The training encompasses orientation, skill development, physical and mental fitness and ownership on the programmes of Government.

Andhra Pradesh is a state bordering India's southeastern coast. Major cultural landmarks include Tirumala Venkateswara Temple, an ornate hilltop shrine to Hindu's Vishnu, in the southern part of the state. It's visited by tens of thousands of pilgrims annually.

The major northern port of Visakhapatnam has popular beaches like Ramakrishna and Rishikonda lining the Bay of Bengal, offering spots for swimming and surfing.

- Anantapur
- Nellore
- Krishna
- Guntur
- Prakasam
- Sri Potti Sri Ramulu Nellore
- Sri Racha
- Visakha
- Visakhapatnam
- Chittoor
- West Godavari
- East Godavari

Events
<table>
<thead>
<tr>
<th>Table Cell 1</th>
<th>Table Cell 2</th>
</tr>
</thead>
</table>

**Andhra Pradesh** is one of the 29 states of India whose recorded history begins in the Vedic period.

It is mentioned in Sanskrit epics such as Aitareya Brahmana (800 BCE).\[1\][2][3] The Asoka Mahajanapada (700–300 BCE) was an ancient kingdom located between the Godavari and Krishna Rivers in southeastern India.\[4\] Accounts that people in the region are descended from the sage Visvamitra are found in the Ramayana, the Mahabharata and the Puranas.

**Amaravati** is the planned capital city and de facto seat of governance of the Indian state of Andhra Pradesh.

It is located on the southern banks of the Krishna river in Guntur district, within the Andhra Pradesh Capital Region.
<table>
</table>

<h2>CONTACT</h2>
<form>
<fieldset>
<legend>Personal Information</legend>

Name: 
<input type="text" name="name"><br><br>
E-mail: 
<input type="text" name="email"><br><br>
</form>
Name: 
E-mail: 
Comment:
Male
Female
Other
I have a bike
I have a car
At w3schools.com you will learn how to make a website. We offer free tutorials in all web development technologies.
<button onclick="alert('Hello World!')" value="Click Me!">
</button>
</form>
<footer>
Thank you so much
</footer>
</body>
</html>
Developing web page using html

Welcome to the Andhra Pradesh human resource development

APHRD Institute, is established to be developed as a State of the Art Training Complex. This Institute is meeting the train
About

Andhra Pradesh is a state bordering India’s southeastern coast. Major cultural landmarks include Tirumala Venkateswara Temple, an ornate hilltop shrine to Hindu’s Vishnu, in the southern part of the state. It’s visited by tens of millions of pilgrims annually. The major northern port of Visakhapatnam has popular beaches like Ramakrishna and Rushikonda lining the Bay of Bengal, offering spots for swimming and surfing.

Events

History

Amaravati

History

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Events

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contact
Name:

E-mail:

Submit
IDE (Integrated Development Environment)

• Notepad
• Notepad ++
• Atom
• NOTEPADQQ (Ubuntu) Or Linux
• GEANY (Ubuntu) Or Linux
WordPress

- **WordPress** is an online, open source website creation tool written in PHP.
- It's probably the easiest and most powerful blogging and website content management system (or CMS)
Word Press Websites

• Do-It-Yourself Web Design
• Professional Web Design
Introduction to content management systems (cms)

• The Content Management System (CMS) is a software which stores all the data such as text, photos, music, documents, etc. and is made available on your website. It helps in editing, publishing and modifying the content of the website.
List of CMS

• Word press
• Drupal
• Joomla
• etc.)
Wordpress now powers 27% of the web

Wordpress Usage

Content Management Systems

<table>
<thead>
<tr>
<th>Rank</th>
<th>CMS</th>
<th>Usage</th>
<th>Change Since 1 March 2016</th>
<th>Market Share</th>
<th>Change Since 1 March 2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Wordpress</td>
<td>26.4%</td>
<td>+0.4%</td>
<td>59.4%</td>
<td>+0.2%</td>
</tr>
<tr>
<td>2</td>
<td>Joomla</td>
<td>2.7%</td>
<td>-0.1%</td>
<td>6.1%</td>
<td>-0.1%</td>
</tr>
<tr>
<td>3</td>
<td>Drupal</td>
<td>2.2%</td>
<td>4.9%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Magento</td>
<td>1.3%</td>
<td>-0.1%</td>
<td>2.8%</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Blogger</td>
<td>1.2%</td>
<td>-0.1%</td>
<td>2.7%</td>
<td></td>
</tr>
</tbody>
</table>

Fastest growing content management systems since 1 March 2016

<table>
<thead>
<tr>
<th>Rank</th>
<th>CMS</th>
<th>Sites</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Wordpress</td>
<td>576</td>
</tr>
<tr>
<td>2</td>
<td>Telerik Sitefinity</td>
<td>60</td>
</tr>
<tr>
<td>3</td>
<td>Shopify</td>
<td>50</td>
</tr>
</tbody>
</table>

*Note: figures represent percentages of sites in the top 10 million.*

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Installation process

• System Requirements for WordPress
• Database – MySQL 5.0 +
• Web Server –
  • WAMP (Windows)
  • LAMP (Linux)
  • XAMP (Multi-platform)
  • MAMP (Macintosh)

• Operating System –
• Browser Support – IE (Internet Explorer 8+), Firefox, Google chrome, Safari, Opera
• PHP Compatibility – PHP 5.2+
Download Word Press
నిదానం

మొదటిగా ఉపయోగం చేసే పరిస్థితిలో మనం ఉండాలి. It is a platform with focus on aesthetics, web standards, and usability. WordPress is both free and priceless at the same time.

మారుదులకు ప్రామాణిక స్థానాలు, యస్తుంది ఒక పరిస్థితికి అనుమతించడానికి దరించి ఉంది. WordPress is both free and priceless at the same time.

పరముఖంగా, మన పరిస్థితి సమాధానం కొరకు ఉండాలి.
• Enter the username and password
• https://aphrdi.wordpress.com
• https://aphrdi.wordpress.com/login
• For login
• https://aphrdi.wordpress.com/login
How to Login

• To start editing pages, type login at the end of the URL address in a browser:

  (On the new template, the login link is no longer available at the bottom of the page. Also you have to be on the main site URL, not a subpage)

• At the login screen, enter your username and password
Dashboard Menu

The WordPress Dashboard provides navigation menu that contains some menu options such as posts, media library, pages, comments, appearance options, plugins, users, tools and settings on the left side.
General settings

- Following are the details of the fields on general settings page.
- **Site Title** – It displays the name of the site in the template header.
- **Tagline** – Displays a short sentence about your site.
- **WordPress Address (URL)** – It is the URL of WordPress directory where your all core application files are present.
- **Site Address (URL)** – Enter the site URL which you want your site to display on the browser.
- **E-mail Address** – Enter your e-mail address which helps to recover your password or any update.
- **Membership** – Anyone can register an account on your site after you check this checkbox.
- **New User Default Role** – The default role is set for the newly registered user or members.
- **Timezone** – Sets the time zone based on the particular city.
- **Date Format** – Sets the date format as you need to display on the site.
- **Time Format** – Sets the time format as you need to display on the site.
- **Week Starts On** – Select the week day which you prefer to start for WordPress calendar. By default it is set as Monday.
- **Site Language** – Sets the language for the WordPress dashboard.
Selecting themes
Customize

You are customizing
(Untitled)

View PRO version

- Active theme
  - Miles Lite

- Theme options

- Section visibility

- Section order

- CTA Section (big bg. image)

- About Section

- Recent Works Section

- Testimonials Section

- Latest News Section

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Dashboard Tour

Add image or video files by clicking Media link or Add Media button.

Left-hand side navigation menu is located under Appearance.

To view html code click the Text tab.

Faculty Staff Directory can be edited by clicking COEN Faculty link.

Click Publish to save and make the page visible online.
New Features

**Slides** – Used to create Sliders (rotating photos)

**Shortcode** – An enhanced way to add content, layout, and media elements like slideshows, columns, or videos to posts (beyond default WordPress editing tools)

**WP-Tables Reloaded** – Located under the Tools tab, *Tables Reloaded* is an easier way to add tables to your webpage without all the html coding

**WordPress Documentation** – Located under the Appearance tab and Theme Options, Documentation provides an overview of the theme functionality, setup, usage, and more
How to Add a Page

Adding a New Page – Under Pages click on Add New for a blank page, similar to word-processing software editing features

Page content (text and photos) are added here

When you are finished adding content click Publish to save
How to Edit a Page

**Edit Existing Pages** – Under *Pages* click on *All Pages* to view all site pages. Click the page, highlight text and start typing to edit.

**Formatting Palette** – Use the formatting palette menu to change fonts, format text, or to add links to content.

- Click *Preview Changes* to review unsaved changes.
- Click *Update* to save changes.
How to Add Media

Adding New Media – 
Click Media on the 
left hand side or Add 
Media (above the 
formatting palette)

From the Insert Media 
window, upload images or browse for a 
file already saved in the library

To upload an 
image click 
Upload Files

To browse for an image 
previously uploaded, 
select “uploaded to this 
page” from the drop- 
down menu options
How to Add Pages to Left Hand Menu

Adding Pages to Left Hand Menu—Click Menus under Appearance

Click on the page you want to add

When you are finished adding your page click Save Menu

To move page to desired location in the menu click On the name of the page and drag it to where you want it appear

To add it to the menu click Add to Menu
<table>
<thead>
<tr>
<th>Plugin Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Templatere</td>
<td>Template Manager for Visual Composer on Steroids</td>
</tr>
<tr>
<td>WooCommerce</td>
<td>An e-commerce toolkit that helps you sell anything, beautifully.</td>
</tr>
<tr>
<td>WooCommerce paytm gateway</td>
<td>Used to integrate the paytm payment gateway with your website.</td>
</tr>
<tr>
<td>WPBakery Visual Composer</td>
<td>Drag and drop page builder for WordPress. Take full control over your WP site</td>
</tr>
</tbody>
</table>

There is a new version of SiteOrigin Widgets Bundle available. View version 1.7.2 details or update now.

There is a new version of WooCommerce available. View version 2.6.12 details or update now.

There is a new version of WPBakery Visual Composer available. View version 5.0.1 details. Automatic update is unavailable for this plugin. To receive automatic updates license activation is required. Please visit settings to activate your Visual Composer. Got Visual Composer in theme?
Installing Plugin Example
Form making
Form submissions
Query

```
INSERT INTO wg_formmaker ('save_uploads') VALUES ('')
INSERT INTO wg_formmaker_submits ('id', 'form_id', 'element_label', 'element_value', 'group_id', 'date', 'ip', 'user_id', 'user') VALUES ('', '', '', '', '', '', '', '')
```

select login from the table

<table>
<thead>
<tr>
<th>Setting</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>The best payment gateway provider in India for e-payment through credit card, debit card &amp; netbanking.</td>
</tr>
<tr>
<td>Merchant Identifier</td>
<td>ennova26333176228905</td>
</tr>
<tr>
<td>Secret Key</td>
<td>FCGv0jn4YL7e7bP8</td>
</tr>
<tr>
<td>Industry Type</td>
<td>retail</td>
</tr>
<tr>
<td>Channel ID</td>
<td>WEB</td>
</tr>
</tbody>
</table>

**Merchant Identifier**

This is the (USER ID) available at "Generate Secret Key" of "Integration -> Card payments integration at paytm."
Creating Webpage using word press online

- [www.freeblogwordpress.com](http://www.freeblogwordpress.com)
- [https://wordpress.com/start/website/design-type-with-store.com](https://wordpress.com/start/website/design-type-with-store.com)
Step 1

WordPress powers 27% of the internet.

Join the global community.

WordPress.com is the easiest place to get started.
Get a custom domain, no ads, and support from $2.99/mo.

Get Started
See Plans
Let's get started.
Welcome to the best place for your WordPress website.
Step 3

Choose a theme.

No need to overthink it. You can always switch to a different theme later.
Step 4

Let's find a domain.
Choose a custom domain, or a free .wordpress.com address.

aphrdi.wordpress.com
aphrdi.blog
aphrdi.com
aphrdi-bioc
aphrdi-bi.com
Step 5

Pick a plan that's right for you.

**Free**
- $0 for life
- Get a free website and be on your way to publishing your first post in less than five minutes.

**Personal**
- $2.99 per month, billed yearly
- Best for Personal Use: Boost your website with a custom domain name, and remove all WordPress.com advertising. Get access to high-quality email and live chat support.

**Premium**
- $8.25 per month, billed yearly
- Best for Entrepreneurs & Freelancers: Build a unique website with advanced design tools, CSS editing, lots of space for audio and video, and the ability to monetize your site with ads.

**Business**
- $24.92 per month, billed yearly
- Best for Small Business: Power your business website with unlimited premium and business theme templates. Google Analytics support, unlimited storage, and the ability to remove WordPress.com branding.

Select Free
- Select Free

Upgrade
- Upgrade

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Step 6

Create your account.

Your email address

Choose a username
ap/hrdi

Choose a password

By creating an account you agree to our fascinating Terms of Service.

Create My Account
Done! Thanks for waiting, we're ready for you to get started.

We've sent a message to winikumar01@gmail.com. Please use this time to confirm your email address.
Step 8
Step 9
Step 10
Step 11

Here you can control the design of your site. Change your site title, update the colors and fonts, and even add a header image. Explore widgets to find new features and content to add to your website.

First blog post
JANUARY 15, 2017 / LEAVE A COMMENT / EDIT
Step 12
Paytm and cc avenue

- Merchant Identifier
- Gateway URL
- Channel ID
What is server? Database?

• Websites are hosted, or stored, on special computers called servers.
What is hosting?

- Web hosting is a service that allows organizations and individuals to post a website or web page on to the Internet. A web host, or web hosting service provider, is a business that provides the technologies and services needed for the website or webpage to be viewed in the Internet.
Types of Web Hosting Services

- There are various types of web hosting services available to host your website. Before signing up for web hosting services, it is important to understand what kind of service your website needs, the kind of server you or your business needs, your budget, and what type of services the web host offers.

- Shared Hosting
- Dedicated Hosting
- Collocated Hosting
IP? (Internet Protocol)

- Domain Name Server (DNS)
- Each computer on the Internet is assigned a unique address, called an IP address. A typical IP address looks like this: 199.123.456.7

It is very difficult to keep in mind the IP addresses of all the websites we visit daily. Words are easier to remember than strings of numbers. This is where domain names come into the picture. When you visit a website, all you need to know is its URL. Computers remember numbers, and DNS helps us convert the URL into an IP address that the computer can understand.

When you type in domain.com into your browser, the browser first needs to get the IP address of www.domain.com. The browser contacts a DNS server to query the location of the server where the webpages are stored. Think of it as a directory service of IP address.
what is cloud platform?

• Unlimited data storage
• Pay as use
• It is software as service
• Platform as service
cloud platform providers?

• Google cloud platform
• Amazon web services
• Microsoft Azure
• IBM etc...
Google Cloud Platform

Build What’s Next
Better software. Faster.

- Use Google’s core infrastructure, data analytics and machine learning.
- Secure and fully featured for all enterprises.
- Committed to open source and industry leading price-performance.

TRY IT FREE        CONTACT SALES

Don’t miss Next ’17
Learn, engage, and network at Google’s immersive, annual cloud event. Register now.
Google cloud platform

- [Link]

*https://console.cloud.google.com/home/dashboard?project=ap_hrdiexample*
**How to store file in cloud platform?**

In Google Cloud Platform:

1. Visit the Google Cloud Platform website.
2. Log in to your account.
3. Navigate to your project.
4. Click on the **Billing** tab.
5. Review your billing account details and credits.
6. Use the **Billing administrators** section to manage your project's billing.
7. Check the **Projects linked to this billing account** for your file storage needs.

Additional information:

- **Billing account ID:** 004402-0CCFE7-52377B
- **Free Trial:** Ends on Feb 4, 2017
- **Promotion value:** $300.00
- **Amount remaining:** $300.00

---

### Project Details

<table>
<thead>
<tr>
<th>Project name</th>
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<td>1072631774370</td>
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<tr>
<td></td>
<td>aphrdiexample</td>
</tr>
</tbody>
</table>
Compute Engine is getting ready. This may take a minute or more. [Compute Engine documentation](https://cloud.google.com/compute/docs/disks)

Every Compute Engine VM instance is attached to at least one disk as a boot disk and for persistent storage. A persistent disk can be a standard (HDD) or a solid-state (SSD) drive. You can also attach an ephemeral local SSD for high-performance I/O.

Learn more

[Create disk](https://console.cloud.google.com/compute/disks?project=aphrdiexample)
Google Cloud Platform

Cloud SQL

Cloud SQL Instances

Cloud SQL instances are fully managed, relational MySQL databases. Google handles replication, patch management and database management to ensure availability and performance. When you create an instance, choose a size and billing plan to fit your application.

Create instance or Learn more
Google Cloud Platform

Projects

Create Project

Delete Project

Filter by name, ID, or label

Columns

APHRDIELEXAMPLE

PERMISSIONS

LABELS

Add members

Select a role

Add

Owner (1 member)

Full access to all resources.

Editor (2 members)

Edit access to all resources.

Search members

Filter by name or role

This tutorial explains how to create a Linux virtual machine instance in Compute Engine using the Google Cloud Platform Console.

Continue

Compute Engine Quickstart

Introduction

15 minutes
Cloud Storage

Buckets

Cloud Storage lets you store unstructured objects in containers called buckets. You can serve static data directly from Cloud Storage, or you can use it to store data for other Google Cloud Platform services.

Create bucket or Learn more
Create a bucket

**Name**

Must be unique across Cloud Storage. Privacy: Do not include sensitive information in your bucket name. Others can discover your bucket name if it matches a name they’re trying to use.

Bucket names must be between 3 and 63 characters

A bucket name can contain lowercase alphanumeric characters, hyphens, and underscores. It can contain dots (.) if it forms a valid domain name with a top-level domain (such as .com).

Bucket names must start and end with an alphanumeric character.

**Default storage class**

Learn about pricing

- Multi-Regional
  - Use to stream videos and host hot web content.
  - Best for data accessed frequently around the world.
- Regional
  - Use to store and run data analytics.
  - Best for data accessed frequently in one part of the world.
- Nearline
  - Use to store rarely accessed documents.
  - Best for data accessed less than once per month.
- Coldline
  - Use to store very rarely accessed documents.
  - Best for data accessed less than once per year.

**Multi-Regional location**

Redundant across 2+ regions within your selected location.
Search Engine optimization

The critical item every site must have, few understand and even fewer do well.

Marketing is the act of making your website attractive to people, Search Engine Optimization (SEO) is the act of making your website attractive to computers.
Ad Words, AdSense

• **AdSense (Google AdSense)** is an advertising placement service by **Google**. The program is designed for website publishers who want to display targeted text, video or image advertisements on website pages and earn money when site visitors view or click the ads.
how to know traffic of your website

• Google analytics
Information security awareness

• We are sharing our private data in many ways through website, Email, creditcard, etc..

• Encryption - Decryption
• Cryptography
Cypher cryptography algorithm

• Hellow + 5 = Mjqqsbl

26 possibilities of each letter

H e l l o w

26+26+26+26+26+26
=156 ways to crack the code

• Mjqqsbl-5=Hellow
• 26 possibilities of each letter
128/256bit encryption

• Hellow+5

5252315646 5252315646 5252315646 5252315646 5252315646

• 128bit
• 256bit
• www.irctc.com

Trillion Trillion ways
SSL certification
• Symmetric (private exchange)

• Asymmetric
Internet security

• Passwords should not be saved as Default
• Don’t enter information in the websites start with number
• How to secure your browser
• Unwanted websites

Avoidable websites
(www.deepweb.com)
(www.darkweb.com)

• Games download
Anti Virus Tools

• Avast [www.avast.com](http://www.avast.com)

• 360 Internet security

• *Unsubscribe Unwanted mails*
References and useful sites

• www.W3schools.com
• www.angularjs.com
• www.mdncss.com
• www.getbootstrap.com
• www.lynda.com
• www.udacity.com
• www.edx.com
Thank you