

## Web basic concepts and terminologies

1. What is Internet
  - a. The Internet is essentially a global network of computing resources.
  - b. Services
    - i. Email
    - ii. FTP
    - iii. WWW
2. WWW - World wide web - The World Wide Web is a way of exchanging information between computers on the Internet
3. HTTP - Hypertext Transfer Protocol
  - a. This is the protocol being used to transfer hypertext documents that makes the World Wide Web possible.
  - b. HTTPS
4. URL - URL stands for Uniform Resource Locator, and is used to specify addresses on the World Wide Web.
  - a. protocol://hostname/other\_information
5. Website - Which is a collection of various pages written in HTML markup language
  - a. Static Websites
  - b. CMS Websites
  - c. Web Applications
6. Web server - Every Website sits on a computer known as a Web server.
  - a. Apache
  - b. Nginx
7. Web browser - Web Browsers are software installed on your PC. To access the Web you need a web browsers
  - a. IE, Chrome etc
8. SMTP Server - Simple Mail Transfer Protocol Server. This server takes care of delivering emails from one server to another server.
9. ISP - ISP stands for Internet Service Provider. They are the companies who provide you service in terms of internet connection to connect to the internet.
10. HTML - HTML stands for Hyper Text Markup Language. This is the language in which we write web pages for any Website.
11. Hyperlink - A hyperlink or simply a link is a selectable element in an electronic document that serves as an access point to other electronic resources.
12. DNS - DNS stands for Domain Name System. It will return the IP that hosts a specific domain
13. W3C - World Wide Web Consortium which is an international consortium of companies involved with the Internet and the Web.
14. How web works - Browser - Domain - DNS - IP - Server - HTML/ CSS/ Images etc - Browser
15. Web Framework -- For Building application
16. Why we need security in web application
17. What is Cloud

18. What is an OS
19. What is API
20. HTTP Status Codes - [https://en.wikipedia.org/wiki/List\\_of\\_HTTP\\_status\\_codes](https://en.wikipedia.org/wiki/List_of_HTTP_status_codes)
21. Mobile Platform
  - a. Mobile Application
  - b. Cross Platform

## **Assignment**

1. Diagram representing how a website works.