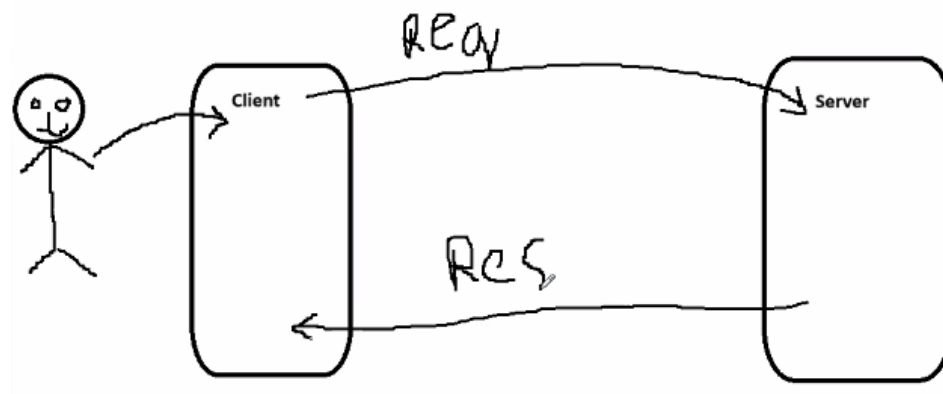


Day 1 : Morning

INTRODUCTION

- Client : Device /Browser

Client-Server Architecture :



FrontEnd : UI

- HTML , CSS , JS , Bootstrap , React

BackEnd : Operations + Database

Operations: C, C++,Java Python,PHP,.net.JS (JA, Node JS),Expr

Database :MySQL , MongoDB , SQLServer ,SQLite

FRONTEND

HTML

(Hyper Text Markup Language)

- HTML is used to create a layout of web app

CSS

(Cascading Style Sheet)

- Styling of web page

- Beautification

JAVA SCRIPT

(Live Script)

- Client side scripting
- e.g. form validation ,animations, arithmetic operations, Popups
- Every browser has a JS Engine (Interpreter)
- eg. V8 Engine, Spider Monkey

BootStrap

- Midea Query
- for web to be Responsive (Adjusted according to Device)

REACT

- it is a library to develop a front end web apps

BACKEND

NODE JS

- Not a language ,Not a Library
- It is runtime environment for JS
- Express JS (FreamWork)

MERN STACK

MEAN STACK

Client & Server aspect

Analogy for request:

1. Client sends request to server
 1. to send request we need url of the server
2. Method of the request
 1. Purpose of request (CRUD Operations)
 2. GET,POST,PUT,DELETE
 3. inspect -> Network -> Requests Method
3. Analogy for the response(Server side)
 1. Accept by server

2. Start processing

3. Server generate response

1. Properties associated with response

- Response Status (200,404 Page Not Found) :
- Message associated Numeric value.
- 200 to 299 Success event from server
- 300 to 399 Redirection
- 400 to 499 Error due to client mistake
- 500 to 599 Server mistake

2. Response Data