INTRODUCTION

system oriented appl - within the organization

web oriented appl - access in the internet

Client Server architecture - 3 layers

1. Presentation layer - reside on client side - to present the info to the client

Client components - HTML, CSS, JS

2. Business logic layer - reside on server side - to write business logic

web tier component - JSP, Servlets, Java beans

Enterprise tier component - EJB

3. Data access layer - reside on database

EIS(Enterprise Information System) - JDBC, Hibernate

1. HTML - to develop static web pages

2. CSS - to define styles for the web pages

3. Javascript - to develop dynamic web pages

4. AJAX - Asynchronous Javascript and XML

- it is not programming language but a techique to create faster better and more responsive web appl

- AJAX made of Javascript and response from AJAX is always XML

- we are not loading entire webpage instead we load only necessary part of web page - client interaction is continuous

5. jquery - javascript library which contains predefined methods to develop dynamic pages

6. adobe flex - in case of Java

7. microsoft silverlight - in case of .net

8. Angular JS -1.0

- It is a client side framework to develop javascript appl based on MVC architecture

- made up of Javascript and used to develop SPA(single page applictaion) - load all web page in a single page

9. Node js - develop server side appl using javascript

MEAN stack - MongoDB+ExpressJS+AngularJS+NodeJS

10. Angular 2.0 - Routing 3.0

11. Angular 4.0, 5.0, 6.0, 7.0, 8.0 ,9.0

- used to develop client side SPA made up of typescript

12. React JS

13. Knockout JS

14. Vue JS