Q.1 . Programming language kya hoti hai. Machine language and high level language me difference btao. Explain with example?

Ans.1) programing language – jo language computer machine ko smj me aati h.and yhe computer language h

Machine language – high level language –

1.ye low level language h 1. ye high level language h

2. ye computer ko samaj me aati h 2.es lang. ko aasani se pda likha smja ja skta h

3. yhe 0,1 code me likhi jati h 3. Ye eng. Me likhi jaati h

4. o.1 4. Javascript

Note:- compiler high level language ko machine language me convert krta h

Q.2 Library and Framework me difference with example?

Frame work- liberary –

1.frame work khud ek software hai yhe nhi hai

2.esme code bnana pdta hai esme code pehle se bne hote hai

3. ex. angular javascript ex. Nodejs

3. Software development ke difference stages ke bare me btao. SDLC(Software development life cycle)

requirement gathering & analysis

Design

Development - Back-end & front-end

Testing - Developers/testers testing and Client testing

Production deployment/Live ?

Ans.3 requriment gathering & analysis : sabse pehle client ke sath communication krenge . jb bhi koi customer / client apni Requriment btata hai to requirement batata hai to requriment lene vala senior hona chaiye

Defining requriment : eska mtlb hai client se approve krana zaruri h ki sir kya aap yhi khena chahate ho suggestion denge

Design :best of architecture select krta h client ki design kesi bnani h

Developlment /bulding : software develop krne ke liye code generate karna pdta hai

Testing : testing se error ka pta chalta h error ko track krna pdta h ki error kha aa rha hai

Dwployment : eska mtlb market me release krte hai fir maintenance pr dhyan dena hota hai agar user feedback negative dete h to positive me bdlna hota hai

Q.4 RAM and ROM me difference?

Ans .

Ram Rom

Esme data temparary rheta hai esme data permanent rheta hai

Ram me file permanent nhi rheti h computer 2. Rom me storage automatic

Bnd hone ke bad ram clean ho jati hai

Q.5 Vanilla JavaScript kya hota hai ?

Ans. Esme koi frame work ya liberary nhi use nhi hoti esme pyor javascript likhi jati hai.

6. Real life example of HTML, CSS and JavaScript?

Ans. Html ka mtlb hota koi sketch bnana (body) hota h or css ka kam body ko design krna hota hai jaise style krna or javascript ka mtlb body me (instaraction)tyar krna hota hai.

7. JavaScript history and ECMAScript kya hoti hai?

Ans. Ecma –European computer menufacture association

Agar koi bhi scripting language jise ki web ke lie banaya jaiega to usse ecma script ke rule follow krna pdega .

Q.8 IDE kya hota hai ? Explain with example.

Ans. Ide – integrated development enviroment

Eska mtlb hota ek aesa platform jha pura setup hota h jis pr aasani se codeing kr skte h

Exp, vs editor ;sublime

Q.9 Separation of concern principle kya hota hai ? With real life example.

Ans. …………….!

10. Explain below features of JavaScript

a. High Level language

b. Garbage Collector

c. Multi Paradgim

d. Platform Independent

Ans. a.High level language – yhe 3rd level lang. h esme coding aasani se hoti h and sabse saral lang. h

b. garbage collecter – java script me ek aesa garbage collecter hota hai jo unused memory ko freee krta h

c.multi paradigm – eska mtlb hota h ki kisi bhi lang. ko kisi bhi platform pr use kr skte jo lang. khud pr deffent krti

exp. Javascript khi bhi chl skti h

d. platform independent – eska mtlb hota h ki platform apne upr nirbhr rheta h na ki framework pr