1.Angular architecture:

Angular architecture contains

Components,services,directives,property binding,event binding,metadata,template

Component: components are main building block of angular it controls the html view and when we generate a component 4files are created that is .ts,.html,.spec.ts,.css .

Services: services are the classes in which we writing functions and these functions are injected to different components.

Directives: directives are add behavior to the existing dom element.

Property binding: it is one way binding by using this we can bind the data from .ts file to html file.

[] this symbol is used for property binding

Event binding: by using this binding we bind events to .ts file.

Metadata: it is known as data of the data.

Template: it represents the html view.

2.routing

Routing means navigation between two pages

How to use:

For using this we can import the routermodule and routes from @angular/router and mention in imports section then we daclare a variable and assign a path and component to this variable in json format for example.

Const route=Routes:[

{path:’/name’,component:componentname}]

Then

Give routerLink in html tag

Ex:

<a routerLink=”name”>name</a>

3. How to interacting the front end to backend ?

By using httpclient and httpheaders we can communicate with backend.

4. What is bootstrap

It is the popular frontend frame work by using this we can design responsive webpages attractively

5. what is the difference b/w HTTPCLient and Http?

As of my knowledge http is the hypertext transfer protocol, it is a library by using this we can transfer the data.

Httpclient is the module it is imported from http library by using this we can communicate between front end and backend.

6. Tell me something in your project

My project name is infobyt,it is comes under hr and admin domain,

In companies:

by using this we can generate pay slips automatically, we take attendance from biometric access and calculate salary according to their pay and generate the payslips this is used for huge strength companies.

In schools:

By using this a parent can monitor his child what he doing in school by accessing cc cameras which are placed in school premises and also he can track his child school bus by using this a parent can track loacation of his child.

In colleges:

By using this a college student can check syllabus and schedules of examination according to their university/college.

7. css animation

Animation means an element gradually change from one style to another style at certain times.

Node js

1.What is Nodejs

Node js is a open source javascript based server side scripting language it runs on chromes v8 engine,

It provides server environment to the users.

2. Why it is so lightweight and fast

Node js uses single threaded event loop architecture so it is lightweight and faster than traditional one.

3. what is event loop and how it's works

It is a architecture in this a event loop is there.

Ex:

If client requests the server that request comes to event loop queue then one thread pickups the request and give it to the server then come back to the threadpool and ready to handle the one more request from event loop, once the server give the response any available thread go and handles that response and give it to the client.

4. .what is the callback and why we are used it.

Call back functions will be called automatically after a long function executed,generally used to catch the results.

5. what is the error first callback

Once we give request to the server. Server calculate the task if any error occurs while performing result that error will handled by error callback function and sends the error to the client.

6. what is require() module

Require in node js is used to import the external modules into our javascript file.

Ex: if we want to use express in our file we need to import express

Const app=require(‘express’);

By writing above line in our file we can use express module in our application.