1. Explain NPM?

NPM stands for node package manager. It is used for installing dependencies for javascript packages.

2. What is Angular CLI? List the command to install Angular CLI?

Angular CLI is Command Line Interface for Angular that runs Webpack.You can use **npm install -g @angular/cli** command to install angular CLI.

3. How to create a new project in angular js using CLI.

After installing Angular CLI run **ng new project-name** command to create a new Angular project.

4. What are Decorators?

Decorators are functions that adds metadata to class members and functions. It was proposed in ES2016 and implemented in Typescript.

5. List the types of Data Binding supported by Angular?

Angular supports four types of Data Binding They are

- String Interpolation
- Property Binding
- Event Binding
- Two-way-binding

6. How to run Angular application locally during development?

ng serve command is used to run Angular5 application locally during development.To start development server on specific port **ng serve -p aPortNumber** command is used.

7. What an Angular component made of? How do you generate a new component?

Angular component is made of a Component decorator and a component definition of a class.ng generate component component_name command is used to generate a component in Angular2.

8. How do we import a module in Angular5?

Simply use below syntax to import a module in Angular5.

```
import { ModuleName } from 'someWhere';
```

9. Explain $event in Angular5?

In Angular5 $event is a reserved keyword that represents the data emitted by an event (event data).It is commonly used as a parameter for event based methods.

10. What do double curly brackets are used in Angular?

double curly brackets are used form data interpolation in Angular.

11. What is *ngFor directive used for?

*ngFor directive is used for Iterating over a list of items and for Generating a new DOM element for each one.

12. Explain Webpack?

Webpack is module bundler Bundler for Angular2 or above. It bundles, minifies and transpiles an Angular application.

13. What is transpiling?

Transpiling is a process of converting code from one language to another. In Angular, Traceur compiler is used for converting TypeScript to JavaScript so that browsers can understand.

14.Explain component life cycle in Angular?

In Angular component life cycle in Angular goes through following stages.

- Create
- Render
- Create and render children
- Check for bound data changes and re-render
- Destroy

15.Explain NgModule?

NgModule is a decorator function in Angular that takes a single metadata object whose properties describe the module.

16. Differentiate between Components and Directives in Angular .
Components break up the application into smaller parts; whereas, Directives add behavior to an existing DOM element.

17. What are Services in Angular and what command is used to create a service?

Services help us in not repeating the code. With the creation of services, we can use the same code from different components. Here is the command to create a service in angular, **ng g service User** (a UserService is created when this command is used).

18. What is Dependency Injection in Angular ?
When a component is dependent on another component the dependency is injected/provided during runtime.

19. What is Routing in Angular ?

Routing helps a user in navigating to different pages using links.

20. Explain the usage of {{}}?
The set of brackets {{}} when used with an HTML tag, represent data from a component. For example, on a HTML page which has <h1>{{variableName}}</h1>, here the 'variableName' is actually typescript (component) data representing its value on the template; i.e., HTML. This entire concept is called String Interpolation.

21. How is SPA (Single Page Application) technology different from the traditional web technology?
In traditional web technology, the client requests for a web page (HTML/JSP/asp) and the server sends the resource (or HTML page), and the client again requests for

another page and the server responds with another resource. The problem here is a lot of time is consumed in the requesting/responding or due to a lot of reloading. Whereas, in the SPA technology, we maintain only one page (index.HTML) even though the URL keeps on changing.

22. Differentiate between ng-Class and ng-Style.
In ng-Class, loading of CSS class is possible; whereas, in ng-Style we can set the CSS style.

23. Why Typescript with Angular?
Typescript is a superset of Javascript. Earlier, Javascript was the only client side language supported by all browsers. But, the problem with Javascript is, it is not an Object Oriented Programming Language. Typescript was thus developed by Microsoft in a way that it can work as Javascript and also offer what javascript cannot; i.e., OOPS.

24. What is the purpose of using package.json in the angular project?
With the existence of package.json, it will be easy to manage the dependencies of the project. If we are using typescript in the angular project then we can mention the typescript package and version of typescript in package.json.