1)difference b/w injectable and inject?

2)what is directive? And types of directives?

Types of directives

(i)component

(ii)structural

(iii)Attribute

(iv)Custom directive

3)routing?

4) What is aot compilation?

5) What is angular universal?

Angular Universal is a server side rendering

6) difference b/w observable and promise

7)view child?

From parent to child data transfer

And pass the reference on click

8)dependency Injection?

9) difference b/w annotation and decorator in array?

10) **diffence b/w component and directive?**

Component-

component is break the application in to smaller component

Only one component can be present per DOM element

@View decorator or templateurl/template are mandatory

To register a component we use @Component meta-data annotation

Directive-

Directive is use to design re-usable components

Many directives can be used per DOM element

Directive doesn't use View

To register directives we use @Directive meta-data annotation

11)what is pure and impure pipe?

Purepipe-A pure pipe is only called when Angular detects a change in the value or the parameters passed to a pipe

@Pipe({  
name: 'filterPipe',   
pure: true   
})  
export class FilterPipe {}

Impure Pipe-An impure pipe is called for every change detection cycle no matter whether the value or parameter(s) changes.

@Pipe({  
 name: 'filterPipe',   
 pure: false  
})  
export class FilterPipe

12)what is bootstrapping?

13)What is Observable?

14) what is observer?

15)what is utility function of rxjs?

16)what is angular ivy?

17)What is web worker?

18) what is bazel?

19) how many types of loading?

Eager loading, pre loading, lazy loading

20)update angular?

Ng update –force –all

21) what is the lifecycle of angular?

ngOnChnges  
ngnInit  
ngDoCheck  
ngAfterContentInit  
ngAfterContentChecked  
ngAfterViewInit  
ngAfterViewChecked  
ngOnDestroy

22) What is async pipe?

23) what is jit and Aot compilation?

24)What is the purpose of common module?

25)what is codelyzer?

26)What is service worker and its role?

27)what is rxjs subject?

28)What is dom sanitizer?

29)What is http interceptor?

30)what is routed entry component?

31)Difference b/w Aot and jit?

Jit complilation for run time

Ng build

Ng serve

Aot compilation for build time

Ng build –aot

Ng serve –aot

Advantage AOT:-

1. **Faster rendering:** The browser downloads a pre-compiled version of the application. So it can render the application immediately without compiling the app.
2. **Fewer asynchronous requests:** It inlines external HTML templates and CSS style sheets within the application javascript which eliminates separate ajax requests.
3. **Smaller Angular framework download size:** Doesn't require downloading the Angular compiler. Hence it dramatically reduces the application payload.
4. **Detect template errors earlier:** Detects and reports template binding errors during the build step itself
5. **Better security:** It compiles HTML templates and components into JavaScript. So there won't be any injection attacks.

32) What is the purpose of async pipe?

The AsyncPipe subscribes to an observable or promise and returns the latest value it has emitted. When a new value is emitted, the pipe marks the component to be checked for changes.

**33.What is the difference between pure and impure pipe?**

A pure pipe is only called when Angular detects a change in the value or the parameters passed to a pipe. For example, any changes to a primitive input value (String, Number, Boolean, Symbol) or a changed object reference (Date, Array, Function, Object). An impure pipe is called for every change detection cycle no matter whether the value or parameters changes. i.e, An impure pipe is called often, as often as every keystroke or mouse-move.

### 34. What are the design goals of service workers?

Below are the list of design goals of Angular's service workers,

1. It caches an application just like installing a native application
2. A running application continues to run with the same version of all files without any incompatible files
3. When you refresh the application, it loads the latest fully cached version
4. When changes are published then it immediately updates in the background
5. Service workers saves the bandwidth by downloading the resources only when they changed.

**35. Sevice Worker?**

Service worker detached the particular service from app module .so it load fast.in application after localstorage.

**36. have many url for dev, testing, uat, production?**

In angular.json we define the environment for dev, uat, testing and create the seprate environment file.

37. What is web worker?

39. what is the main file in angular?

Main.ts

40)what is ngModule?

In this declaration, import, provider, export

41) What is @component?