**Basic Question And Answer**

|  |  |  |  |
| --- | --- | --- | --- |
| Sr# | Questions | Keyword Answer | Example |
| 1 | What does "npm install -g" mean? | To install npm package global level |  |
| 2 | What is Angular CLI | It is command line interface which helps to get basic setup of angular project | npm install -g  @angular/cli ng new project-name cd project-name ng serve |
| 3 | How to create app using Angular CLI? | ng new project-name cd project-name code . (to open project in Visual studio code editor) ng serve |  |
| 4 | Differentiate between ng serve and ng builld? | ng serve - Is use to run application in In-memory (inside RAM) taking whole application compling hosted in http://localhost:4200/ ng build - To |  |
| 5 | What do folder "src", "dist" and "e2e" contain? | Src - (source folder) All source code dist - (distribution folder) All build js will be saved after running ng build command e2e - (end to end testing folder) For testing purpose |  |
| 6 | what is importance of angular.json file in Angular cli? | Workspace is a directory which is generated via Angular CLI |  |
| 7 | What are components and modules in Angular | Components - Class file which will interact with UI i.e., html files Modules - Which is used to group components, directives, pipes and services |  |
| 8 | What is use of TemplateURL | which connects components and html page |  |
| 9 | Explain modules | Which is used to group components, directives, pipes and services | @NgModule({    declarations: [       AppComponent    ],    imports: [       BrowserModule    ],    providers: [],    bootstrap: [AppComponent] }) |
| 10 | What is use of Bootstrap in Modules | Out of many components, Bootstrap helps for starting the execution |  |
| 11 | Which file defines the start module of angular project | Main.ts files PlatformBrowserDynamic method from @angular/PlatformBrowserDynamic  library | platformBrowserDynamic().bootstrapModule(MainModule) |
| 12 | What is Import in module | To import angular library to NgModule import statement on top is used by typescript  import { FormsModule } from '@angular/forms'; | For import statement import { FormsModule } from '@angular/forms';  Import in @NgModule imports: [    BrowserModule,    FormsModule ] |
| 13 | What is Provider in module | Will include in services created |  |
| 14 | What will happen if polyfills are not used | make our Angular application compatible for different browsers.  Angular code in ES6(New Features: Overview and Comparison) and is not compatible with IE or firefox and needs some environment setups before being able to be viewed or used in these browsers. | Polyfills.ts was provided by angular to help you do away with need to specifically setup everything. |
| 15 | What is need of Webpack | Webpack is a module bundler, but you can also use it running tasks as well |  |
| 16 | How to use \*ngFor Loop directive | NgFor is a directive that iterates over collection of data |  |
| 17 | Explain ^ and ~ for version resolution | ^  Latest minor version ~  Latest revision version | 6.1.0 6 is major version 1 is for minor version 0 is for revision version |
| 18 | Can we have Angular UI without a component | No |  |
| 19 | What is routing Collection | Routing collection is nothing but where we specify URL and component which is loaded |  |
| 20 | Explaing the importance of [routerLink] in href element | To naviage between routes | <a [router-link]="['home']">Home</a> |
| 21 | What is importance of router-outlet element in routing | router-outlet is directive which tell router to render the content in view | <router-outlet></router-outlet> |
| 22 | Explain importance of loadChildren | To achieve lazy loading routing |  |
| 23 | How is URL structured for loadChildren | ../Customer/CustomerApp.CustomerModule#CustomerModule Customer - folder or path CustomerApp.CustomerModule - Filename or path #CustomerModule - After # Class to be loaded |  |
| 24 | Explain importance for forRoot and forChild | forRoot - For eager loading forChild - For lazy loading |  |
| 25 | What the importance of Dirty Flag, pristine, touched, untouched, valid, invalid | Dirty flag - indicates user has changed values Pristine - opposite of dirty flag Touched - indicates field is touched by user Untouched - Opposite of touched Valid - Checks whether all validation have passed Invalid - opposite of valid |  |
| 26 | When do we need to provide standalone option | Control which is inside FormGroup without validation is to be provide standalone option | [ngModelOptions] = "{ standalone : true }" |
| 27 | What is benefit of DI | dependency injection is a technique whereby one object  supplies the dependencies to another object |  |
| 28 | What are two kinds of DI | Centralized DI Conditional DI |  |
| 29 | Explain importance of injector | Injector is used to achieve conditional based DI. |  |
| 30 | Define reusable user controls | Reusable code snipnet of UI which we can plug into any HTML |  |
| 31 | Explain inputs, output and event emittes | @Input is a decorator to mark an input property and @Output is a decorator to mark an output property. EventEmitter is really an Angular abstraction, and should be used pretty much only for emitting custom Events in components |  |
| 32 | which of the below naming convention is good for a custom user control myTextBox my-texbox | my-textbox - because it should not get confict with html tag which might release in future |  |
| 33 | Which notatin will you use when data flows from user control to main UI [] () | [] |  |
| 34 | How to use HTTP component | To call to server via restful servcie |  |
| 35 | Why DTO is a better way of transferring data | To avoid circular dependency error |  |
| 36 | In new project should we use HTTP or HTTP client | HTTP client HTTP is deprecated from Angular 7 |  |
| 37 | What is importance of DI in using HTTP component | As we want to migrate from Angular 6 to 7. We don’t need to change too much of code |  |
| 38 | What are interceptors in httpclient | To set security key in http header call |  |
| 39 | how to create fake server | json-server |  |
| 40 | explain the importance of integrated terminal in VS code? | We can create more terminals like for run fake server via json-server which use port 3000 and other we can use for ng serve to run angular application port 4200 | npm install -g json-server json-server --watch db.json |