

Module

Q.1) What is Module in Angular?

- The Angular module also known as NgModule.
- Module in angular refers to a place where u can group the component, directives, pipes, services, interface and classes.

Q.2) Why we need to create another Module?

- Angular Module helps us to keep the **Separation of Concerns**.
- **Keep** the features together.
- Make it easy to **Maintain** the code.
- Make it easier to **Reuse** the code.
- We want our application **Manageable way**.

Q.3) How to Create Module?

- `ng g m ModuleName`

Q.4) What is Features in Angular?

- When we **split** our Module **form app.module** that module are known as **feacture module**.
- We can split components, directives, pipes in feature module.

Q.5) Why we need Features Module in Angular?

- We want our application Manageable way.
- For getting better Performance we use feature module.

Q.6) What is Common Module?

- The common module is imported from @angular/common.
- It is used when you want to use directives - NgIf, NgFor and so on in Separate Module.
- CommonModule Exports all the basic Angular directives and pipes, such as NgIf, NgFor, DecimalPipe, and so on.

Q.7) What is Browser Module?

- The browser module is imported from @angular/platform-browser.
- it is used when you want to run your application in a browser.
- BrowserModule provides services that are essential to launch and run a browser app.

Q.8) What is Shared Module?

- We can resolved duplicate declaration using shared module.

Module

Q.9) What is Module Loading Strategy ?

Q.10) What is Eager Loading ?

- Eager Module means load the features module eagerly (early).
- All the features Modules Will be loaded before the Application Start.
- **Drawback** : It's Time Complex. When we have complex project.
- Means If we Run the application then one by one feature module will be executed
- So it taking long time to execute all Features Modules.
- So the Performance of the Application will be go down. (slow).
- To Avoid this Issue We Use Lazy Loading.

Q.11) What is Lazy Loading ?

- Lazy loading execute on demand.
- If the Application is complex then we should go with Lazy Loading.
- **Advantage** : Improve the Execution speed of an application
Load time should be improved.
- **forChild** : Need to use forChild method to configure the Module
We can use multiple forChild methods.
- **Syntax** :
- `{path:'product',loadChildren:'./products/products.module#ProductsModule'}`

Q.12) What is PreLoading ?

- All Modules silently loaded at the background.
- Preloading is depend on Lazy loading, if we perform lazy loading first
- Only then we can create PreLoading.
- Need to import PreloadAllModules in root app-root-module inside the imports array.