Q) Is Package and Module being same term in Kotlin?

Ans- In Kotlin, packages and modules serve different purposes, although they are related:

1. Package:

- o A **package** is a way to organize code files into namespaces. It allows you to group related classes, functions, and other code elements logically.
- o Kotlin files typically start with a package declaration, like package com.example.app. This helps prevent naming conflicts between classes or functions.
- Packages are mainly about code organization and have no impact on the build or project structure.
- o Packages are declared at the beginning of a Kotlin file using the package keyword.
- o package com.example.myapp

2. **Module**:

- o A **module** refers to a set of Kotlin (or Java) code that is compiled together. It can be a project, a library, or a part of a project that can be compiled and run independently.
- Modules can include multiple packages.
- o They represent units of code with defined boundaries, dependencies, and build configurations.
- o In build systems like **Gradle** or **Maven**, modules are defined in the project's configuration files.
- o Multiple modules in a project: In large projects, you might have separate modules for different parts of the app, like app, networking, or database.

Example of a module setup in Gradle:

```
groovy
Copy code
// File: settings.gradle
include ':app', ':network', ':database'
```

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