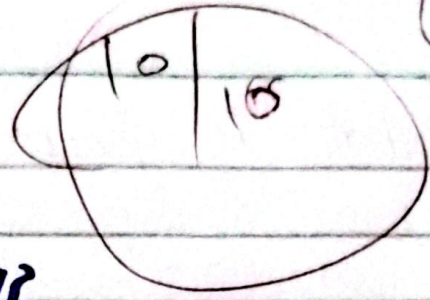


(i)



What is Dependency?

A dependency is an external library, framework, or module that your app relies on to function properly. These dependencies provide pre-built functionalities, allowing developers to save time and avoid reinventing the wheel.

Types of dependency:-

- i- Third-party library
- ii- Native SDKs
- iii- Build tools
- iv- APIs & service

(ii)

Pubspec.yaml:-

Pubspec.yaml is a file used in flutter and dart project to manage dependencies and project metadata.

Dependencies

Flutter

Sdk: Flutter

Format:-

The pubspec.yaml file is written in YAML (YAML A int Markup language) format, which is a human-readable serialization format.

(iii)

Gradle:

Gradle is a powerful build (information) automation tool used in Android development to compile package, and manage dependencies efficiently. It automates tasks like,

- Compiling code
- Managing libraries (dependencies)
- Running tests
- Creating APK/AAB files.

Why do we use gradle?

- It makes the app-building process faster and easier.
- It manages dependencies (external libraries your apps needs).

(iv)

API's (Application Programming Interfaces)

API's are set of rule, protocol and tool for building software application. They allow different system, services, or application to communicate with each other.

Types of API's

Web API's

Operating System API's

Library API's

Local Storage: (V)

Local storage is a feature that allow mobile app to store data locally on the device.

Purpose of local Storage?

- Store User data
- Cache data
- offline support
- Improve performance

What is Widget? (vi)

A widget is a small, self-contained piece of code that perform a specific function or display information on website, application or device.

Types of widgets-

- ⇒ Graphical widget
 - ⇒ Interactive widget
 - ⇒ Functional widget
- 