

1. What is API? (5pts)

Answer:

APIs serve as the foundation for applications that handle data or facilitate communication between products or services. They empower mobile apps or platforms to share data with others, enhancing user experiences without requiring developers to create new solutions from scratch. APIs eliminate the need for redundant programming efforts by allowing reuse of existing functionalities or integration with other platforms.

2. Why API is important? (5pts)

Answer:

An API is the base of all the apps that deal with data or enable communication between two products or services. It empowers a mobile application or platform to share its data with other apps/platforms and ease the user experience without involving the developers.

3. Give at least 6 different types of API. (6pts)

Answer: RESTful APIs, SOAP APIs, a) API Key, JSON, Latency, API Throttling:

4. What is REST API? (5pts)

Answer:

REST (Representational State Transfer) API is a software architectural style that describes a complete set of constraints to be employed for building Web services.

5. What is API Documentation and Testing? (9pts)

Answer:

API documentation is technical content that describes the API in detail. It includes instructions on how to effectively use and integrate the API, with an emphasis on any security constraints. It also provides updates with regard to the API's lifecycle such as new versions or impending retirement.