IIDT-Blackbucks short term internship FSD session 06-APSHE

The Sixth session is about API & JSON . What is API, What is API is used for, API examples. What is JSON what is JSON used for.

Topics covered:

1.Basic concepts of API

2.Basic concepts of JSON

3.API and detailed explanation

4.JSON and detailed explanation

Key points:

- API stands for Application Programming Interface, the word application refers to any software with a distinct function. Interface can be thought of as a contract of service between two applications.

- API allow developers to access certain features or data from another application or service.

- API is like a messenger that helps different apps work together seamlessly. API's are used in a wide range of applications, from social media platforms to weather apps.

- API is language independent and technologically independent.

- It is an interaction medium for an two different web applications.

- The role of the API is enable two software components to communicate with each other using a set of definitions and protocols.

- JSON Stands for JavaScript Object Notation. This is special data format. It is commonly used for transmitting data in web applications.

- Ex: Sending some data from the sever to the client, so it can be displayed on a web page.

- JSON is commonly used for data storage and transfer.

- JSON is a popular choice for applications that benefit from a simple and easy-to-use data format.

- The JSON data that we have is independent of the programming language.

- To connect API we can use HTTP requests to the API endpoints using libraries like fetch.

- The map function is going to go through at everything in the array.