**API Development using Flask**

Beechka Pipeline

-------------API---------------

Data Pipeline between 2 Softwares

**Importance of API**

Makemytrip, goibibo sbh IRCTC ka API use krte hai IRCTC kepass data hai

Today’s software world works on API.

API simple terminology mai pipeline between 2 software

API banate kaise hai

In simple term it is just a function, different thing yeah hai ki

Yeah 1 server pe hota hai, & server pe rehta hai tou mtlb

URL pe rehta,

Koi bhi url access krskta,

Simplest Term in Porgramming terms, Function hai bss Server pe hai & uska 1 URL hai ,

Output jo dikhayi deta hai vo hamesa JSON mai return aata hai

Javascript Object Notation, JSON 1 universal data format hai jisko har koii programming Language smjh sakta hai.

IRCTC ne kya kiya ki

Database hoga uspe kch function banadiye honge

& yeah function ka output will be in json.

Ish API se koibhi Software connect karsakta hai.

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Multiple API’s banayenge aaj okay!

IPL dataset pe banayenge

1st API 🡪 Teams

2nd API 🡪 Players

3rd API 🡪 Team Vs Team

4th API 🡪 Team Record, & har team ke against Track Record

5th Record 🡪 Batsman Record

6th Record 🡪 Bowling Record

At last Deploy karenge

So that anyone can use this..

Kahape Get hie kaam aayega POST nahi🡪

Flipkart ka product page hai jaha bht saare page hai

Product pe click krne se what we want ki product ka description khulljaye

So ese 1 crore product hai tou 1 crore html pages toun ahi banayenge humm, 1 hie page hoga so basically what we will do is

Particular product pe click krenge jbh tbh vo particular product ka id fetch karenge

& vo id ke through database mai description dekhenge & vo fetch karke fill kardenge

Id se karenge ID humara

Pehle page se Description page tak kaise pochega using URL

Tbhi Get use hoga, Post tou use hogan ahi coz post hamesa Form mai use hota hai.

Frontend mai HTML mai API se js se fetch krke fir hie HTML mai dikhate hai hum

**Imp Qs & Answers**

Pickle file containing API 🡪 That is Not possible.

Authenticate Data -> Kaggle.com

Generate Some Visualization with that Data 🡪 Yes , textual form , graph etc kaise bhi dikhasakte hai

Consuming API’s

*import* requests

ishse hum Api pe hit karte hai

JSON data laate hai & Python ko dedete hai

Http Code:

**<Response [200]>**

**Iska matlab jishko humm khojrahe vo millgya**

**It is http status code**