Usecase

**Virtual Environment**

For each project we will need different python version or their dependencies.so we are using virtual environment to be safe from dependencies error.

TO create a Virtual Environment

Go to file path in command ->py -3 -m venv venv =Creating virtual env with the name venv

If possible add in the environment variable to access from normal command prompt also.

Then we have to activate=> venv\Scripts\activate.bat

Note:If we have activated this the command prompt starting will show like (venv)

Fastapi module import:

First import the Fastapi module using pip3 install fastapi to connect the application to the server

Add some dependencies like uvicorn also.

Server start

From fastap import FastAPI

app=FastAPI()

@app.get(“/”)

Def imdex():  
 return {“name”:”First Data”}

Then run the command in the command prompt:

Unicorn myapi:app (myapi is the file name app is the app server name denoted in the above code)

In the response we an see the localserver link .if we copy and paste the link we can see the code response.

By running it will also create one ui to see the get method.

To see that go to =>link of the server+/docs

We can directly check the response also (no need of API tools)

Endpoint parameter

Two types of parameter - path parameter and query parameter

Path parameter

**from fastapi import FastAPI,Path;**

**app = FastAPI()**

**students={1:{"name":"John","age":20,"address":"New York"},**

**2:{"name":"Jane","age":22,"address":"Los Angeles"},**

**3:{"name":"Mike","age":21,"address":"Chicago"}}**

**@app.get("/")**

**def index():**

**return {"name":"First Data"}**

**@app.get("/get-student/{student\_id}")**

**def get\_student(student\_id:int =Path(..., description="The ID of the student to get to show")):**

**return students[student\_id]**

Query parameter