**# 1. Setup FastAPI**

**\*\*Install lib\*\***

pip install fastapi

**\*\*Install an ASGI server\*\***

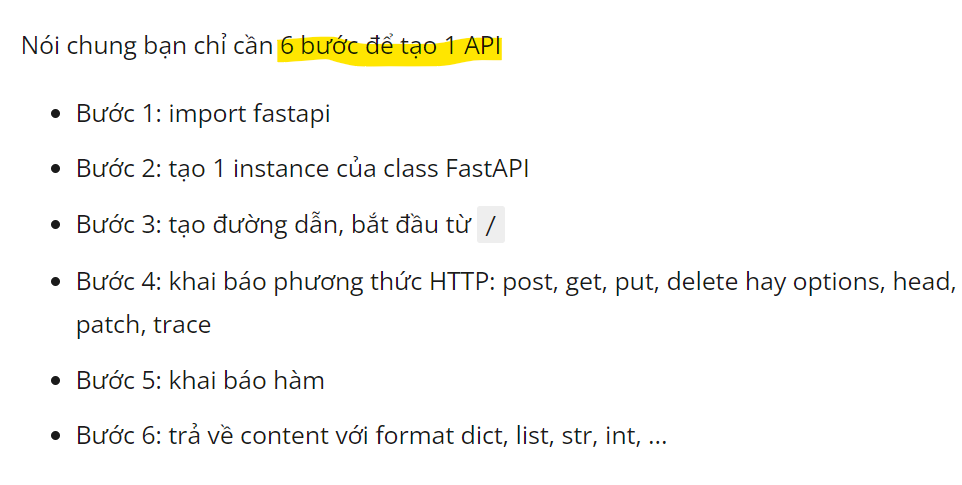
pip install uvicorn

or pip install hypercorn

**# Question**

- Async vs sync

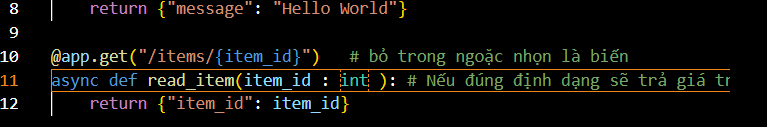
- async def vs def

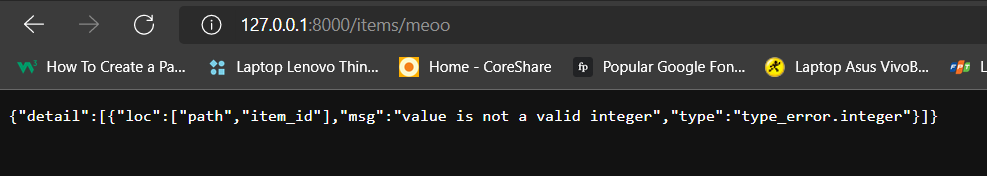


**DATA VALID**

Trường hợp không đúng định dạng (data\_type) sẽ trả về thông báo, mọi dữ liệu validate được dựa trên Pydantic

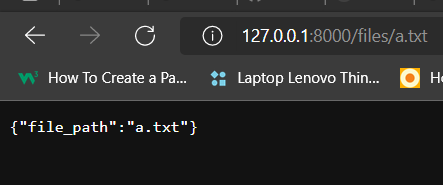
[Validators - pydantic (helpmanual.io)](https://pydantic-docs.helpmanual.io/usage/validators/)



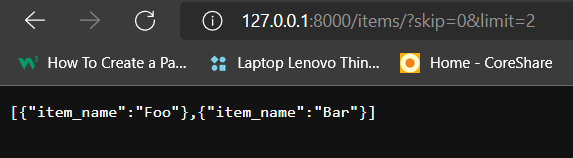


**Path in path**

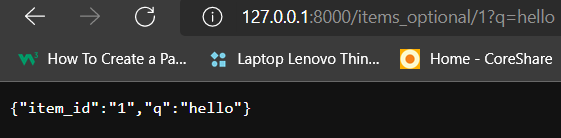
FastAPI hỗ trợ khai báo đường dẫn trong đường dẫn API nhờ vào việc based Starlette.



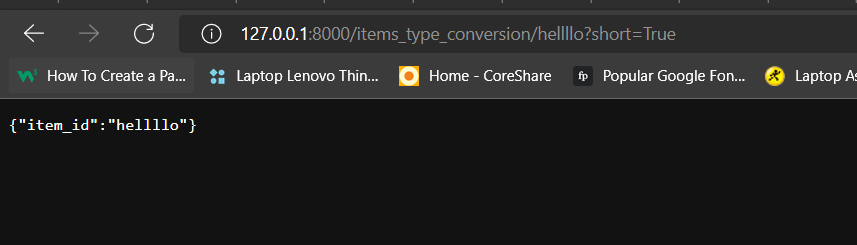
## Query Parameters



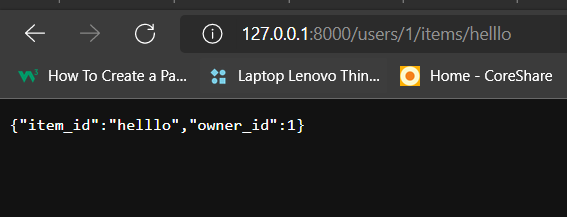
### Optional parameters



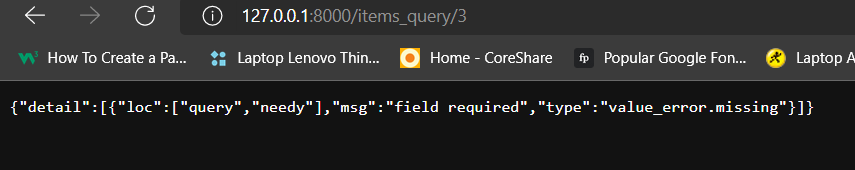
### Query parameter type conversion

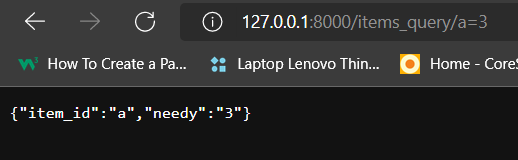


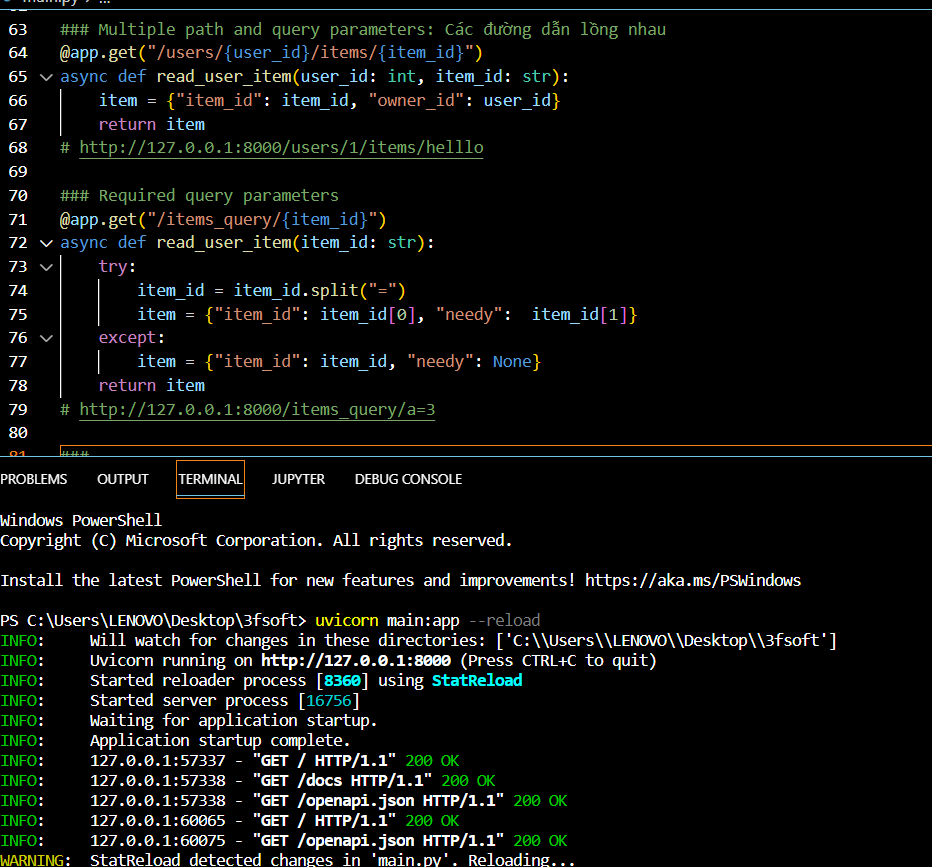
### Multiple path and query parameters

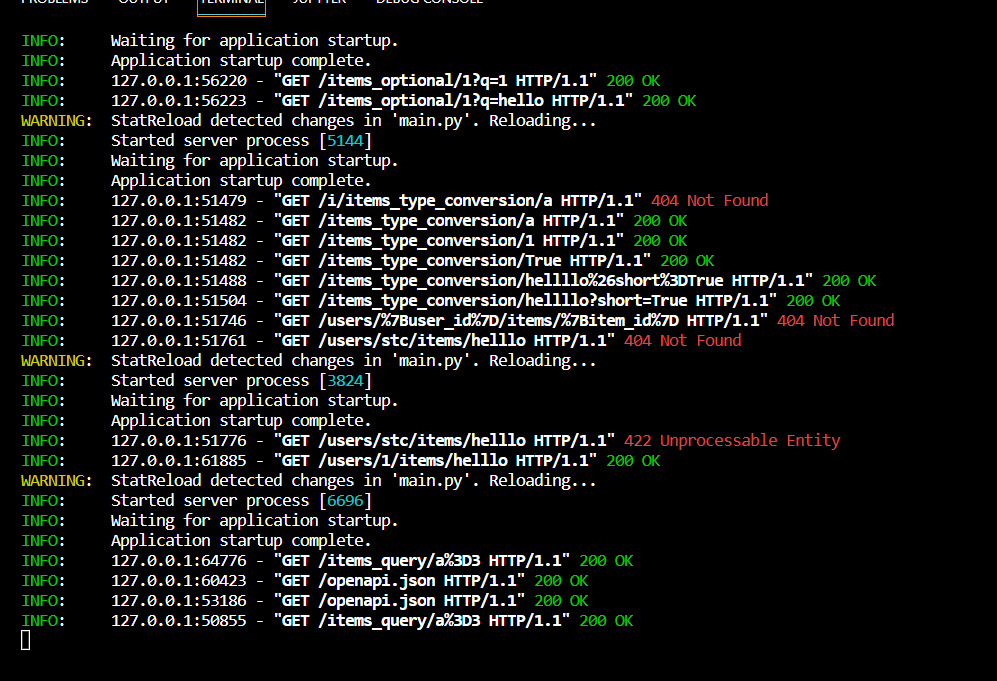


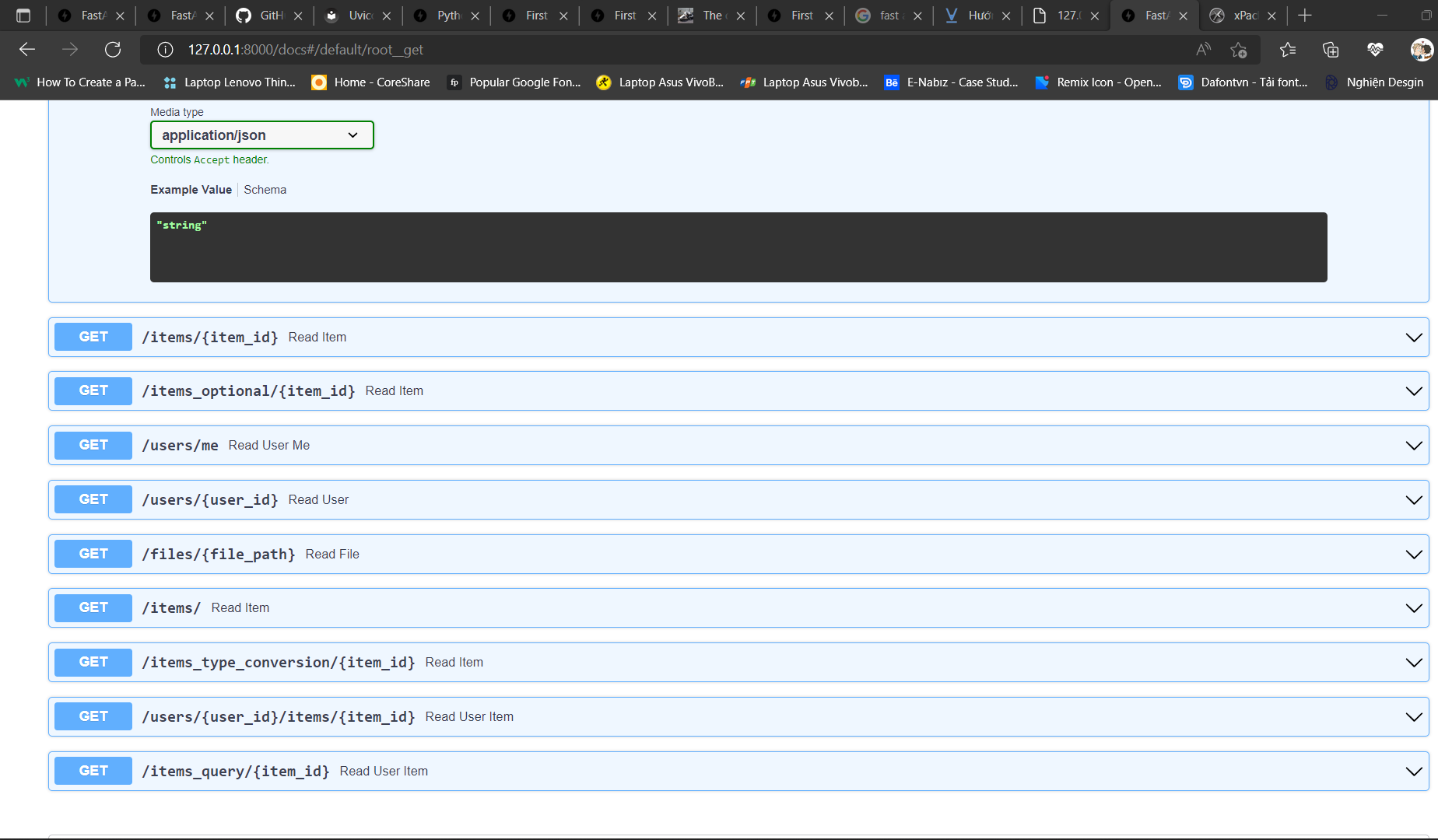
### Required query parameters











## **Request Body**

* Request body: người dùng gửi request từ browser đến API.
* Response body: dựa trên request, APi trả về response cho người dùng.