

FastAPI Tutorial

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FastAPI is a framework to create RESTful Web Services in Python

Write the following command in PyCharm to install fastapi and uvicorn

[pip install fastapi uvicorn](#)

Code for API in FastAPI

```
from fastapi import FastAPI
```

```
app = FastAPI()
```

```
@app.get("/")
def home():
    return {"message": "Hello FastAPI"}
```

In PyCharm Terminal write the following code to run this api

[uvicorn main:app --reload](#)

Now to Test the api write

<http://127.0.0.1:8000>

and the api will give output in JSON Format

Following is the code for another api with endpoint as /users which will give a list of users in json format

Save the file as main2.py

```
from fastapi import FastAPI
```

```
app = FastAPI()
```

```
@app.get("/users")
def get_users():
    return [
        {"id": 1, "name": "Raman"},
        {"id": 2, "name": "John"},
        {"id": 3, "name": "Alice"}
    ]
```

run the command

[uvicorn main2:app --reload](#)

Now test the api as

<http://127.0.0.1:8000/users>

and you will get output

```
[{"id":1,"name":"Raman"}, {"id":2,"name":"John"}, {"id":3,"name":"Alice"}]
```
