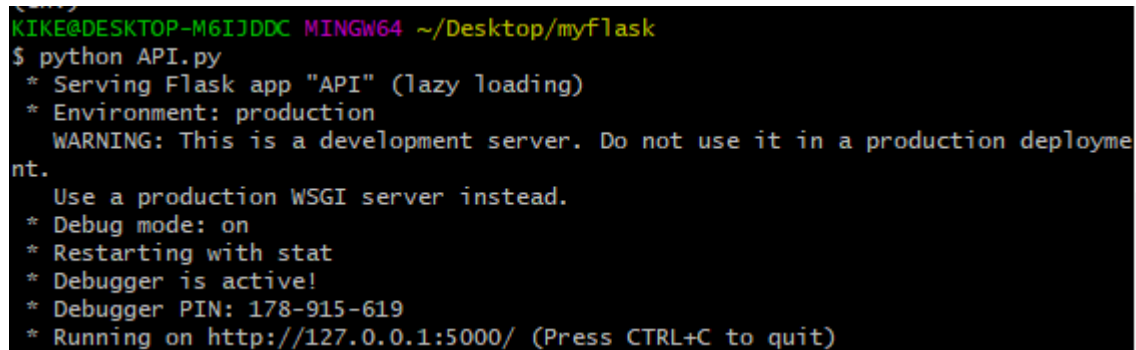


# Developing an API for a Distributed Environment

## Question 1

Run the API.py code. Take a screenshot of the terminal output. What command did you use to compile and run the code?

`python API.py`



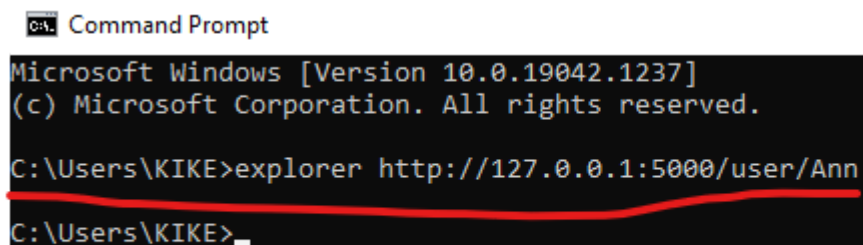
```
KIKE@DESKTOP-M6IJDDC MINGW64 ~/Desktop/myflask
$ python API.py
* Serving Flask app "API" (lazy loading)
* Environment: production
WARNING: This is a development server. Do not use it in a production deployment.
Use a production WSGI server instead.
* Debug mode: on
* Restarting with stat
* Debugger is active!
* Debugger PIN: 178-915-619
* Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)
```

## Question 2

Run the following command at the terminal prompt:  
w3m <http://127.0.0.1:5000/user/Ann>

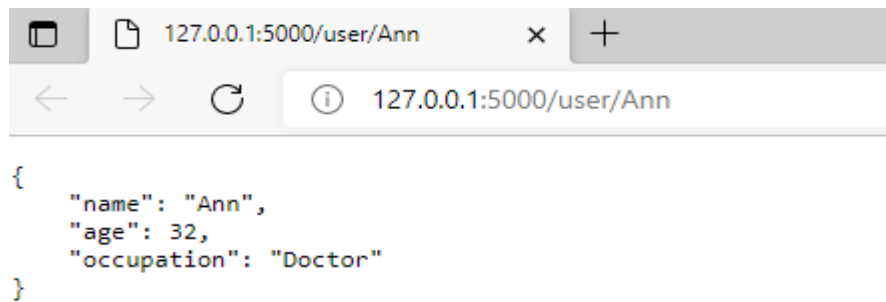
What happens when this command is run, and why?

I am using a windows system so I ran the command below



```
C:\> Command Prompt
Microsoft Windows [Version 10.0.19042.1237]
(c) Microsoft Corporation. All rights reserved.

C:\Users\KIKE>explorer http://127.0.0.1:5000/user/Ann
C:\Users\KIKE>_
```



The screenshot shows a web browser window with a single tab titled "127.0.0.1:5000/user/Ann". The address bar contains the same URL. The main content area displays a JSON object: 

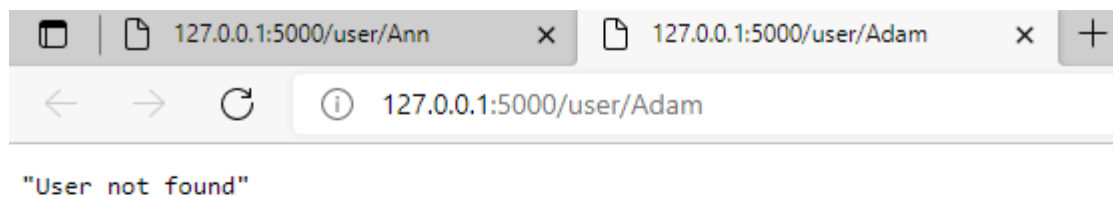
```
{  
  "name": "Ann",  
  "age": 32,  
  "occupation": "Doctor"  
}
```

### Question 3

Run the following command at the terminal prompt:

w3m <http://127.0.0.1:5000/user/Adam>

What happens when this command is run, and why?



The screenshot shows a web browser window with two tabs. The active tab is titled "127.0.0.1:5000/user/Adam" and the address bar contains the same URL. The main content area displays the text: 

```
"User not found"
```

Adam is not configured as a user in the code.

### Question 4

What capability is achieved by the flask library?

It provides the tools and technologies needed for building the API