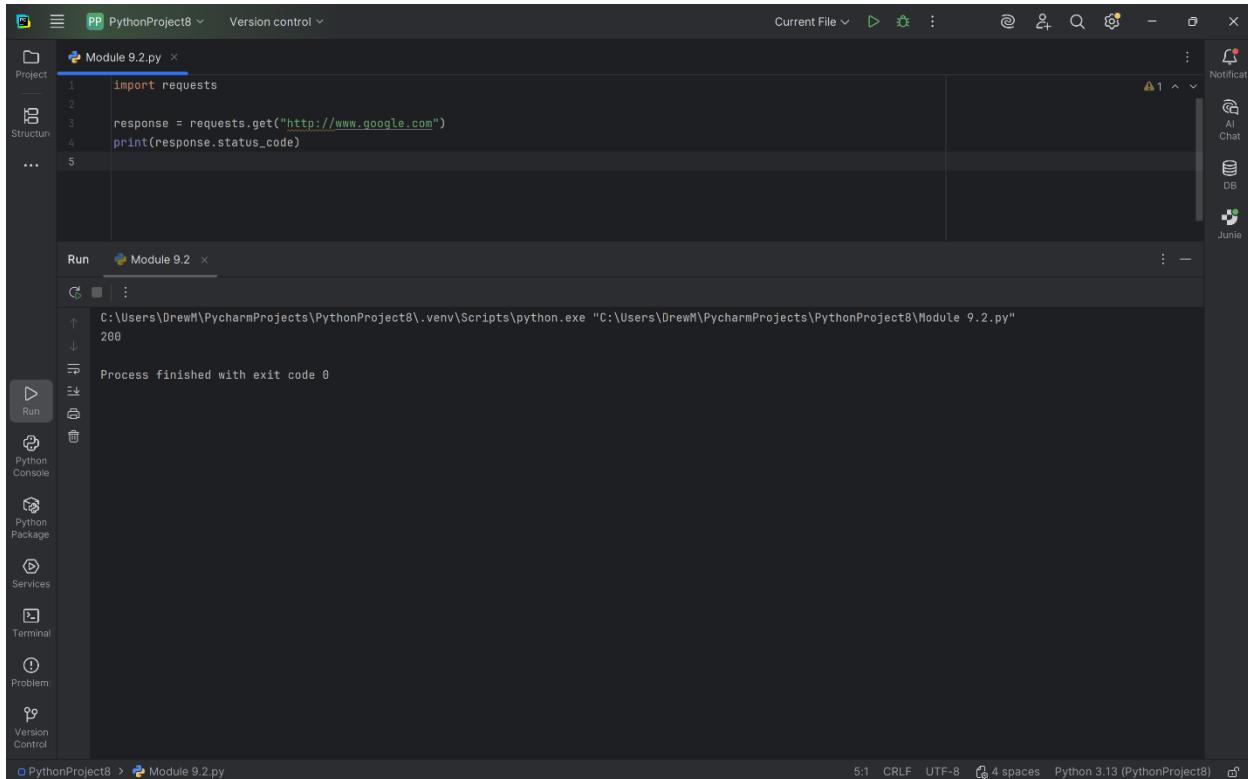


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11/29/25

## Module 9.2

### Google Test

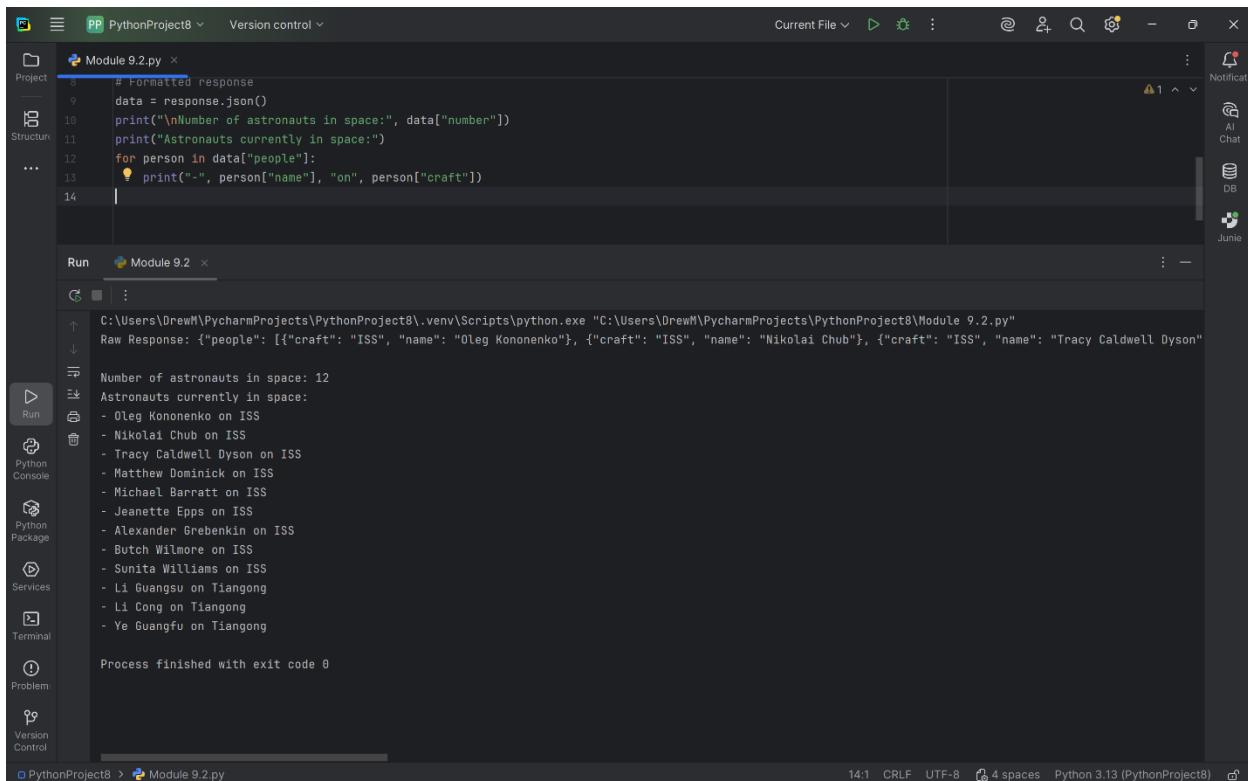


```
Module 9.2.py
import requests
response = requests.get("http://www.google.com")
print(response.status_code)
```

Run Module 9.2

```
C:\Users\...\\venv\Scripts\python.exe "C:\Users\...\\Module 9.2.py"
200
Process finished with exit code 0
```

### Astronaut API



```
Module 9.2.py
# Formatted response
data = response.json()
print("\nNumber of astronauts in space:", data["number"])
print("Astronauts currently in space:")
for person in data["people"]:
    print("-", person["name"], "on", person["craft"])
```

Run Module 9.2

```
C:\Users\...\\venv\Scripts\python.exe "C:\Users\...\\Module 9.2.py"
Raw Response: {"people": [{"craft": "ISS", "name": "Oleg Kononenko"}, {"craft": "ISS", "name": "Nikolai Chub"}, {"craft": "ISS", "name": "Tracy Caldwell Dyson"}, {"craft": "ISS", "name": "Matthew Dominick"}, {"craft": "ISS", "name": "Michael Barratt"}, {"craft": "ISS", "name": "Jeanette Epps"}, {"craft": "ISS", "name": "Alexander Gerst"}, {"craft": "ISS", "name": "Butch Wilmore"}, {"craft": "ISS", "name": "Sunita Williams"}, {"craft": "Tiangong", "name": "Li Guangsu"}, {"craft": "Tiangong", "name": "Li Cong"}, {"craft": "Tiangong", "name": "Ye Guangfu"}]
Number of astronauts in space: 12
Astronauts currently in space:
- Oleg Kononenko on ISS
- Nikolai Chub on ISS
- Tracy Caldwell Dyson on ISS
- Matthew Dominick on ISS
- Michael Barratt on ISS
- Jeanette Epps on ISS
- Alexander Gerst on ISS
- Butch Wilmore on ISS
- Sunita Williams on ISS
- Li Guangsu on Tiangong
- Li Cong on Tiangong
- Ye Guangfu on Tiangong
```

Process finished with exit code 0

## Dog API

The screenshot shows the PyCharm IDE interface with the following details:

- Project:** PythonProject8
- Module 9.2.py:** The code uses the requests library to get a random dog breed image from the dog.ceo API.

```
1 import requests
2
3 response = requests.get("https://dog.ceo/api/breeds/image/random")
4
5 # Raw response
6 print("Raw Response:", response.text)
7
8 # Formatted response
9 data = response.json()
10 print("\nRandom Dog Image URL:", data["message"])
11
```

- Run:** The Run tool window shows the output of the script execution.

```
C:\Users\...\\venv\Scripts\python.exe "C:\Users\...\\PythonProject8\\Module 9.2.py"
Raw Response: {"message": "https://images.dog.ceo/breeds/sheepdog-english/n02105641_727.jpg", "status": "success"}  
Random Dog Image URL: https://images.dog.ceo/breeds/sheepdog-english/n02105641_727.jpg  
Process finished with exit code 0
```

- Python Console:** Shows the command and its output.
- Services:** Shows the process ID.
- Terminal:** Shows the exit code.
- Problem:** Shows no problems.
- Version Control:** Shows the project path.
- Status Bar:** Shows the file size (11:1), encoding (CRLF), line endings (UTF-8), and Python version (Python 3.13 (PythonProject8)).