CODE4TEENS

Python Discord Bot

DAY 08

Learn about API

Contents

Exercise 01: $ip

SOS	Difficulty:	⭐ ⭐
💡	Objectives:	Create the command $ip which returns your Bot's unique IP address.
🔧	Skills required:	Sending HTTP requests Consuming a RESTful API Parsing JSON
🌐	Resources:	GET IPv4 Address Requests - JSON Response Content Requests - Response Status Codes
🔍	Search keywords:	Requests Json API Python
🔌	Command required:	**$ip**

▣ Code snippet:

```python
import requests

def ip():
    url = <your-url-here>
    r = requests.get(url, timeout=10)

    if r.status_code != requests.codes.ok:
        r.raise_for_status()

    data = r.json()

    return data.get(<json-key>)
```
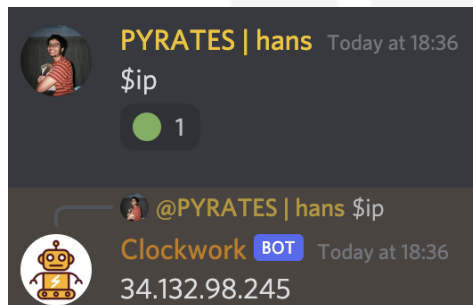
✅ Output example:

Exercise 02: $iploc

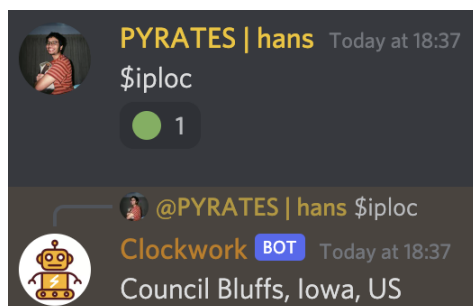|		
SOS	Difficulty:	★ ★ ★
💡	Objectives:	Create the command $iploc which returns the geographical location to your Bot's unique IP address.
🛠️	Skills required:	String interpolation IP geolocation
🌐	Resources:	https://ipinfo.io/<your-ip-address>/geo *Replace IP address with your Bot's unique IP address. Requests - JSON Response Content Requests - Response Status Codes
🔍	Search keywords:	Requests Json API Python
🔌	Command required:	**$iploc**

🖥️ **Code snippet:**

```
import requests
```

✅ **Output example:**

PYRATES | hans Today at 18:37
$iploc
🟢 1

@PYRATES | hans $iploc
Clockwork BOT Today at 18:37
Council Bluffs, Iowa, US

Exercise 03: $quote

SOS	Difficulty:	★ ★ ★
💡	Objectives:	Create the command $quote which returns a random quote.
🛠️	Skills required:	Sending HTTP requests Consuming a RESTful API Parsing JSON Reading API documentation
🌐	Resources:	Zen Quotes API Requests - JSON Response Content Requests - Response Status Codes
🔍	Search keywords:	Requests Json API Python
🔌	Command required:	**$quote**

🖥️ **Code snippet:**

```
import requests
```

✅ **Output example:**

> **PYRATE | Hans** Today at 19:20
> $quote
> 🟢 1
>
> 🤖 @PYRATE | Hans $quote
> **Clockwork** `BOT` Today at 19:20
> It is better to disappoint people with the truth than to appease them with a lie. - Simon Sinek