Instalar la librería request (api que devuelve datos curiosos sobre números.

En la terminal utilizar el comando: pip install requests

```
PS C:\Users\Paninatrix\Desktop\Laboratorio 3\pf-l6-main> pip install requests
Defaulting to user installation because normal site-packages is not writeable
Collecting requests
  Downloading requests-2.32.5-py3-none-any.whl.metadata (4.9 kB)
Collecting charset_normalizer<4,>=2 (from requests)
  Downloading charset_normalizer-3.4.3-cp312-cp312-win_amd64.whl.metadata (37 kB)
Collecting idna<4,>=2.5 (from requests)
  Downloading idna-3.10-py3-none-any.whl.metadata (10 kB)
Collecting urllib3<3,>=1.21.1 (from requests)
  Downloading urllib3-2.5.0-py3-none-any.whl.metadata (6.5 kB)
Collecting certifi>=2017.4.17 (from requests)
  Downloading certifi-2025.8.3-py3-none-any.whl.metadata (2.4 kB)
Downloading requests-2.32.5-py3-none-any.whl (64 kB)
Downloading certifi-2025.8.3-py3-none-any.whl (161 kB)
Downloading charset_normalizer-3.4.3-cp312-cp312-win_amd64.whl (107 kB)
Downloading idna-3.10-py3-none-any.whl (70 kB)
Downloading urllib3-2.5.0-py3-none-any.whl (129 kB)
Installing collected packages: urllib3, idna, charset_normalizer, certifi, requests
  WARNING: The script normalizer.exe is installed in 'C:\Users\Paninatrix\AppData\Local\Packages\PythonSoftwareF
oundation.Python.3.12_qbz5n2kfra8p0\LocalCache\local-packages\Python312\Scripts' which is not on PATH.
  Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn-script-locati
on.
Successfully installed certifi-2025.8.3 charset_normalizer-3.4.3 idna-3.10 requests-2.32.5 urllib3-2.5.0

[notice] A new release of pip is available: 25.0.1 -> 25.2
[notice] To update, run: C:\Users\Paninatrix\AppData\Local\Microsoft\WindowsApps\PythonSoftwareFoundation.Python
.3.12_qbz5n2kfra8p0\python.exe -m pip install --upgrade pip
```

Instalar la versión para Python 3

Comando: pip3 install requests

```
PS C:\Users\Paninatrix\Desktop\Laboratorio 3\pf-l6-main> pip3 install requests
Defaulting to user installation because normal site-packages is not writeable
Requirement already satisfied: requests in c:\users\paninatrix\appdata\local\packages\pythonsoftwarefoundation.p
ython.3.12_qbz5n2kfra8p0\localcache\local-packages\python312\site-packages (2.32.5)
Requirement already satisfied: charset_normalizer<4,>=2 in c:\users\paninatrix\appdata\local\packages\pythonsoft
warefoundation.python.3.12_qbz5n2kfra8p0\localcache\local-packages\python312\site-packages (from requests) (3.4.
3)
Requirement already satisfied: idna<4,>=2.5 in c:\users\paninatrix\appdata\local\packages\pythonsoftwarefoundati
on.python.3.12_qbz5n2kfra8p0\localcache\local-packages\python312\site-packages (from requests) (3.10)
Requirement already satisfied: urllib3<3,>=1.21.1 in c:\users\paninatrix\appdata\local\packages\pythonsoftwarefo
undation.python.3.12_qbz5n2kfra8p0\localcache\local-packages\python312\site-packages (from requests) (2.5.0)
Requirement already satisfied: certifi>=2017.4.17 in c:\users\paninatrix\appdata\local\packages\pythonsoftwarefo
undation.python.3.12_qbz5n2kfra8p0\localcache\local-packages\python312\site-packages (from requests) (2025.8.3)

[notice] A new release of pip is available: 25.0.1 -> 25.2
[notice] To update, run: C:\Users\Paninatrix\AppData\Local\Microsoft\WindowsApps\PythonSoftwareFoundation.Python
.3.12_qbz5n2kfra8p0\python.exe -m pip install --upgrade pip
```

Reiniciar Visual Studio

Crear la función trivia_fetch: para realizar la conexión con la api

```python
def trivia_fetch(num):
    """
    Función que toma un número y devuelve un diccionario con trivia sobre ese número.
    """
    url = f"http://numbersapi.com/{num}/trivia?json"

    try:
        response = requests.get(url)
        data = response.json()

        # La API devuelve un JSON con: 'text' (dato curioso), 'number' (número), 'type' (trivia)
        return {
            "number": data["number"],
            "trivia": data["text"],
            "type": data["type"]
        }
    except Exception as e:
        return {"error": f"Error al obtener datos: {str(e)}"}
```

Definir datos en el main para hacer pruebas.

```python
def main():
    # Ejemplo de uso
    num = 42
    result = trivia_fetch(num)
    print(result)
```

Probar el test

```
[Running] python -u "c:\Users\Paninatrix\Desktop\Laboratorio 3\pf-l6-main\test.py"

[Done] exited with code=0 in 0.595 seconds
```