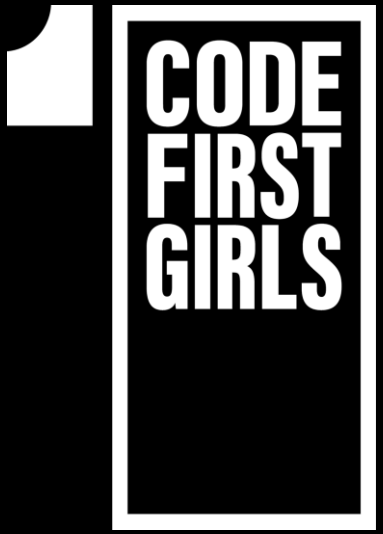
PYTHON

LESSON 6



NANODEGREE → FOUNDATION MODULE

AGENDA

01 PIP package manager

02 API

PYTHON PIP

DEFINITION

- **pip:** A package manager used to install libraries that other people have written
- pip is used via the terminal (command-line)
- Note that we need to install pip itself first, which would allow us to install new packages in Python in the future

DEMO EXAMPLE

- Together with your instructor install the requests library using pip

```
pip install requests
```

API

APPLICATION PROGRAMMING INTERFACE

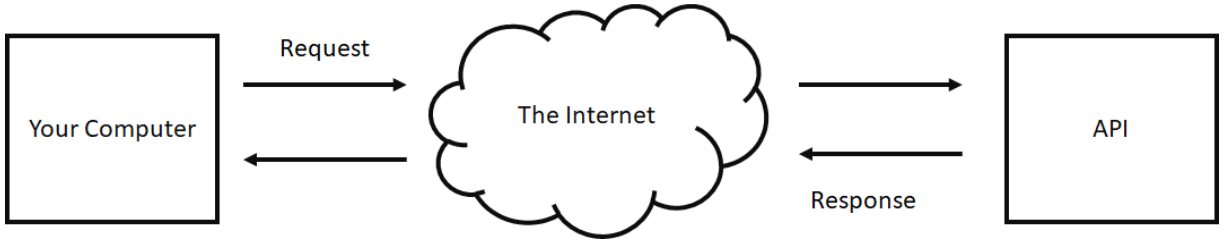
- **API:** A way for different programs to interact. For example they can send data to one another. Web APIs allow you to interact with other programs over the internet.
- **API Request:** When your program asks an API for some or to complete a specific action
- **API Response:** The result of your request from the API

RESPONSE EXAMPLE

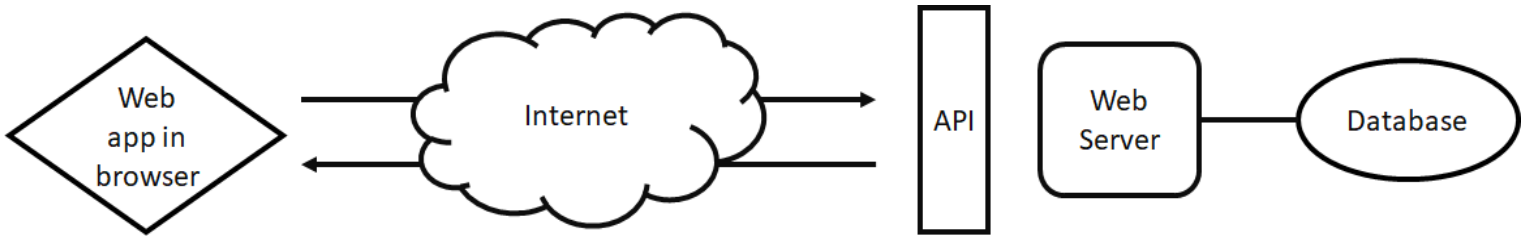
Status Code	Name	Explanation
200	OK	Request worked
404	Not found	Could not find url requested
400	Bad request	Request you made is not understood

API

APPLICATION PROGRAMMING INTERFACE



EXAMPLE 1

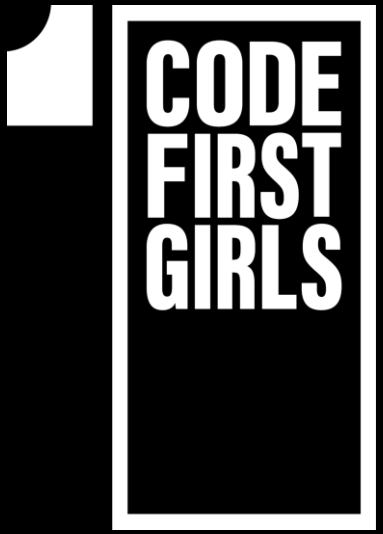


EXAMPLE 2

API PRACTICE

PYTHON DATA TYPE

EXAMPLE

Complete a number of exercises with your instructor to learn how to access and use APIs

THANK YOU!