

# Working with API

## Mission 1: We are bored!

Its Saturday night and you find yourself very bored… after a few minutes you call your best friend and suggest him to hang with you!

Welcome to **https://www.boredapi.com** - the ultimate API that finds activities for bored persons.

1. Write a python script that will communicate with the API to get an activity - verify it with a successful code returned (**status\_code**)
2. Within the json library, the **json.loads()** function could parse the response - the input of this function should be a string and its convert it to a dictionary type variable. Run a for loop that iterates 5 times and print out every time the activity and the number of participants.
3. Get familiar with the API documentation and provide 5 activities that could be suited to you and your friend (2 participants).
4. Every activity has a key - that’s the unique identifier of the activity - write a script that will get you 5 keys of activities with the next attributes:

* 2 participants
* price less than a dollar
* social activity

## Mission 2: IP Tracing

The concept is to retrieve your external IP address and place it with geo tags.

APIs:

* <https://api.ipify.org/?format=json>
* <https://ipinfo.io/161.185.160.93/geo>

Get familiar with the URL and try to understand how the API works, then combine both API abilities and output to the user the city and the region.