Intro to Programming: Project 1

- Run the script utilizing the command line. "***main.py***"

```
1   import requests
2
3   response = requests.get('https://randomuser.me/api')
4
5   print("Random User Data:\n\n\n\n")
6
7   gender = response.json()['results'][0]['gender']
8   print("Gender: " + (gender))
9
10  first_name = response.json()['results'][0]['name']['first']
11  print("\nFirst Name: " + (first_name))
12
13  last_name = response.json()['results'][0]['name']['last']
14  print("\nLast Name: " + str(last_name))
15
16  city = response.json()['results'][0]['location']['city']
17  print("\nCity: " + str(city))
18
19  age = response.json()['results'][0]['dob']['age']
20  print("\nAge: " + str(age))
21
22  dob = response.json()['results'][0]['dob']['date']
23  print("\nDate of Birth: " + str(dob))
24  #dob = "Date of Birth"
```

- ***"Import requests"****:* Used to send HTTP requests and handle responses

- ***"Response = requests.get('https://randomuser.me/api'):*** Sends the "Get" request to the following URL. The output will be in the JSON format.

- ***"print("Random User Data:\n\n\n\n")":*** Prints a header message for the following output of data.

- ***"gender = response.json()['results'][0]['gender']***
  print("Gender: " + (gender)): First converts the response into the python dictionary, searches for the results key, accesses the first element on the list **[0]**, then accesses the gender information within the API response. After all is finished, the results are printed in conjunction with a printed header, ***"Gender:".*** Once all is done, the line is finished with a line break ***"\n".*** This format will be used for all lines written going forward.

- ***"first_name = response.json()['results'][0]['name']['first']***

- ***print("\nFirst Name: " + (first_name)):*** The parameters ['name'] and ['first'] are used to clarify that the response they are looking for is "name", and the following specification being the "first" name.

- ***"last_name = response.json()['results'][0]['name']['last']***
  print("\nLast Name: " + str(last_name)): The same as before, apart from the defining factor for ['name'] is ['last'].

- ***"city = response.json()['results'][0]['location']['city']***
  print("\nCity: " + str(city)): Clarifies the desired ['location'], that being ['city'].

- ***"age = response.json()['results'][0]['dob']['age']***
  print("\nAge: " + str(age)): Searches for the ['age'] field within the ['dob'] data.