6.1 One Pager

Import requests and json

```
import requests
import json
```

Pretty print JSON

```
url = "https://api.spacexdata.com/v2/rockets/falcon9"
response = requests.get(url)
response_json = response.json()
print(json.dumps(response_json, indent=4, sort_keys=True))
```

Call object from json

```
response = requests.get(url).json()
print(json.dumps(response, indent=4, sort_keys=True))
```

Analyze payload

```
print(response_json["cost_per_launch"])
```

Reference value within sub-dictionaries and sub-lists

```
number_payloads = len(response_json["payload_weights"])
print(f"There are {number_payloads} payloads.")
```

```
payload_weight = response_json["payload_weights"][0]["kg"]
print(f"The first payload weighed {payload_weight} Kilograms")
```

Import config and pprint

```
from config import api_key
from pprint import pprint
```

Structure api call with url and api key

```
url = "http://www.omdbapi.com/?t="
api_key = "&apikey=" + api_key
```

```
response = requests.get(url + "Aliens" + api_key)
```

Convert response to json

```
data = response.json()
pprint(data)
```

Print keys from response JSON

```
print(f"Movie was directed by {data['Director']}.")
print(f"Movie was released in {data['Country']}.")
```

Import random

```
import random
```

Create random indices

```
indices = random.sample(list(range(1, 100)), 10)
indices
```

Add query to request

```
query = "granola"
```

```
query_url = url + "api-key=" + api_key + "&q=" + query
```

```
articles = requests.get(query_url).json()

# The "response" property in articles contains the actual articles
# list comprehension.
articles_list = articles["response"]["docs"]
pprint(articles_list)
```