

# Simple RESTful API to get base salary information

The screenshot shows a REST client interface with a teal header bar displaying '200 OK'. The request method is 'GET' and the URL is 'http://192.168.1.20:5000/salaries?employer=facebook&title=data scientist'. The response body is a JSON array of three salary records for 'DATA SCIENTIST' at 'FACEBOOK, INC.' in 'MENLO PARK, CA'. The 'BASE' salary values are 155000.0, 172480.0, and 144149.06. The 'COMPLETE REQUEST HEADERS' section shows the user agent as 'Mozilla/5.0 (Macintosh; Intel Mac OS X 11\_1\_0) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/87.0.4280.88 Safari/537.36'.

METHOD: GET

SCHEME :// HOST [ ":" PORT ] [ PATH [ "?" QUERY ] ]

http://192.168.1.20:5000/salaries?employer=facebook&title=data scientist

length: 72 char(s) 74 byte(s)

**200 OK**

HEADERS ? pretty

Content-Type: text/html; charset=utf-8  
Content-Length: 118 kilobytes  
Server: Werkzeug/1.0.1 Python/3.8.7  
Date: Fri, 08 Jan 2021 04:56:13 GMT +1s

COMPLETE REQUEST HEADERS pretty

User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 11\_1\_0) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/87.0.4280.88 Safari/537.36

BODY ? pretty

```
[{"SUBMIT_DATE": "9/25/19", "VISA_CLASS": "H-1B", "JOB_TITLE": "DATA SCIENTIST", "START_DATE": "10/7/19", "EMPLOYER_NAME": "FACEBOOK, INC.", "CITY": "MENLO PARK", "STATE": "CA", "BASE": 155000.0}, {"SUBMIT_DATE": "9/26/19", "VISA_CLASS": "H-1B", "JOB_TITLE": "DATA SCIENTIST", "START_DATE": "10/7/19", "EMPLOYER_NAME": "FACEBOOK, INC.", "CITY": "MENLO PARK", "STATE": "CA", "BASE": 172480.0}, {"SUBMIT_DATE": "9/27/19", "VISA_CLASS": "H-1B", "JOB_TITLE": "DATA SCIENTIST", "START_DATE": "3/27/20", "EMPLOYER_NAME": "FACEBOOK, INC.", "CITY": "MENLO PARK", "STATE": "CA", "BASE": 144149.06}, {"SUBMIT_DATE": "9/30/19", "VISA_CLASS": "H-1B",
```

# Use Pandas python library to read API output

## - Base salary of Netflix PM

```
# salaries API
pd.read_json(requests.get('http://fc0eb6e51af6:5000/salaries',\
                        params = {'employer': 'netflix', 'title': 'product manager'}).text)
```

	SUBMIT_DATE	VISA_CLASS	JOB_TITLE	START_DATE	EMPLOYER_NAME	CITY	STATE	BASE
0	3/19/20	H-1B	PRODUCT MANAGER - DEVICE PLATFORMS	3/23/20	NETFLIX, INC.	Los Gatos	CA	480000
1	1/10/17	H-1B	SENIOR PRODUCT MANAGER	7/4/17	NETFLIX, INC.	LOS GATOS	CA	230506
2	7/24/17	H-1B	SENIOR PRODUCT MANAGER	7/31/17	NETFLIX, INC.	LOS GATOS	CA	155147
3	8/1/17	H-1B	SENIOR PRODUCT MANAGER	8/1/17	NETFLIX, INC.	LOS GATOS	CA	125549
4	4/30/18	H-1B	PARTNER PRODUCT MANAGER	4/30/18	NETFLIX, INC.	LOS GATOS	CA	228675
5	3/27/18	H-1B	PRODUCT MANAGER - STUDIO FINANCE	4/6/18	NETFLIX, INC.	LOS GATOS	CA	192587
6	2/27/18	H-1B	PRODUCT MANAGER	8/17/18	NETFLIX, INC.	LOS GATOS	CA	136323
7	2/22/18	H-1B	PRODUCT MANAGER	8/17/18	NETFLIX, INC.	LOS GATOS	CA	136323
8	3/29/18	H-1B	PARTNER PRODUCT MANAGER	4/12/18	NETFLIX, INC.	LOS GATOS	CA	136323

# Use Pandas python library to read API output

- Base salary of Facebook: Director Engineering

```
# salaries API
pd.read_json(requests.get('http://fc0eb6e51af6:5000/salaries',\
                        params = {'employer': 'facebook', 'title': 'director.*eng'}).text)
```

	SUBMIT_DATE	VISA_CLASS	JOB_TITLE	START_DATE	EMPLOYER_NAME	CITY	STATE	BASE
0	2/13/20	H-1B	DIRECTOR, PARTNER ENGINEERING	8/8/20	FACEBOOK, INC.	MENLO PARK	CA	316305.00
1	3/13/20	H-1B	DIRECTOR, SOFTWARE ENGINEERING	3/23/20	FACEBOOK, INC.	Menlo Park	CA	306900.00
2	6/26/15	H-1B	DIRECTOR, ENGINEERING	9/6/15	FACEBOOK, INC.	MENLO PARK	CA	264885.78
3	8/25/17	E-3 Australian	DIRECTOR, ENGINEERING	12/1/17	FACEBOOK, INC.	MENLO PARK	CA	297984.21
4	7/31/19 18:18	H-1B	DIRECTOR, ENGINEERING	1/16/20	FACEBOOK, INC.	MENLO PARK	CA	284200.00
5	9/9/19 17:10	E-3 Australian	DIRECTOR, ENGINEERING	11/17/19	FACEBOOK, INC.	MENLO PARK	CA	345220.67

Data



<https://bit.ly/35nsVXv>

GitHub



<https://bit.ly/2K1qDFY>

DockerHub



<https://dockr.ly/3hTWyoh>

Explore project