

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 is split into two panes: 'HEADERS' and 'BODY'. The headers pane shows standard HTTP headers like Content-Type, Content-Length, Server, and Date. The body pane shows a JSON array of three salary records for 'DATA SCIENTIST' at 'FACEBOOK, INC.' in 'MENLO PARK, CA'. Each record includes a 'SUBMIT_DATE', 'VISA_CLASS', and 'BASE' salary value.

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

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

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

```
[{"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



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