

# How to Get Data

In the coming future data will increasingly be shared using Application Programming Interfaces (APIs).

An API is hosted on the public internet or a private network. APIs provide anytime access to the latest data.

**Your assignment is to get the number of job openings using the technologies like:**

- Java
- Python
- MySQL
- C++
- C#

GitHub Jobs API allows anyone to query for the jobs based upon:

- Technology like Python, MySQL
- City like New York, Bangalore

Here are the technical details to access the API.

The GitHub Jobs API allows you to search, and view jobs with JSON over HTTP.

To get the JSON representation of any search result or job listing, append `.json` to the URL you'd use on the HT

For example, below url will search for Python jobs near New York:

<https://jobs.github.com/positions?description=python&location=new+york>

To get the JSON representation of those jobs, just use `positions.json`:

<https://jobs.github.com/positions.json?description=python&location=new+york>

## Pagination

The API also supports pagination. `/positions.json`, for example, will only return 50 positions at a time. You can pass a `page` parameter to your queries.

Pagination starts by default at 0.

## Examples

<https://jobs.github.com/positions.json?description=ruby&page=1>

<https://jobs.github.com/positions.json?page=1&search=code>

## GET /positions.json

Search for jobs by term, location, full time vs part time, or any combination of the three. All parameters are optional.

markdown — Set to 'true' to get the description and how\_to\_apply fields as Markdown.

## Examples

<https://jobs.github.com/positions/21516.json>

<https://jobs.github.com/positions/21516.json?markdown=true>