

# Verloop Hiring Challenge

Thank you for applying to Verloop! For this round, you have to write a simple API server, which fetches data from Github, serializes in a certain format.

It involves two steps:

1. You need to get a unique ID, which identifies your submission
2. You need to make a REST API call to Github's API service and fetch the data

## Get the Question ID

Send a POST request to <https://hiring.verloop.io/api/github-challenge/start/> with a custom header and body (in JSON).

### Header

Your POST request should have a header `x-verloop-password`, which is md5 digest (in hexadecimal) of your email.

hint: If your email is `support@verloop.io`, then value of `x-verloop-password` will be `c22e2ec2215a03c9d6a1b2d11e24fe2d`.

### Body

Your POST body should be in JSON with appropriate headers. It should have following fields:

- email (string)
- name (string)
- angel\_list (string)
- github (string)

The field `github` here is optional.

Here is an example:

```
{
  "email": "youreemail@gmail.com",
  "name": "your name here",
  "angel_list": "https://angel.co/your-profile-id",
  "github": "https://github.com/your-profile-id"
}
```

### Response

On successful request, you will receive a response as following:

```
{
  "response": {
    "question_id": "48b4e5074bad4463b641e60934c839fc"
  }
}
```

Make note of the `question_id`, this will be used to identify the submissions we receive at Verloop.

## Github API

You will need to write a simple API which returns top 3 repositories of an organisation in Github by stars.

### API Details

We will send a POST request to your API at `/repos` with payload (in JSON):

```
{
  "org": "github-organization-id"
}
```

and the API should return a response in following format (JSON):

```
{
  "results": [
    {"name": "rick", "stars": 100},
    {"name": "morty", "stars": 98},
    {"name": "jerry", "stars": 2},
  ]
}
```

### Hints and stuff

1. There's no restriction on the programming language, libraries or the web framework
2. It is okay to Google or Bing (if that's your thing)
3. Feel free to ask us any questions you have and clarifications you need
4. Think through the edge cases

## Submission

Once you are done, email us the solution in a zip file. Don't forget to mention the `question_id` in the email body.