

GET / : return response body “Hello Go developers”

The screenshot shows a REST client interface with the following details:

- Method:** GET
- Endpoint:** / Home Endpoint
- Description:** Shows welcome message to developers
- Parameters:** No parameters
- Execute:** A blue button to execute the request.
- Response content type:** application/json
- Request:**
 - curl:**

```
curl -X 'GET' \
  'http://localhost:5001/' \
  -H 'accept: application/json'
```
 - Request URL:** http://localhost:5001/
- Server response:**
 - Code:** 200
 - Response body:**

```
{
  "message": "Hello Go developers",
  "status": 200
}
```
 - Response headers:** (empty)

GET /language dari soal nomor 3 diubah menjadi **GET /languages**

The screenshot shows a REST client interface with the following details:

- Method:** GET
- Endpoint:** /Languages Get all languages
- Description:** Fetch all languages
- Parameters:** No parameters
- Execute:** A blue button to execute the request.
- Response content type:** application/json
- Request:**
 - curl:**

```
curl -X 'GET' \
  'http://localhost:5001/languages' \
  -H 'accept: application/json'
```
 - Request URL:** http://localhost:5001/languages
- Server response:**
 - Code:** 200
 - Response body:**

```
{
  "data": [
    {
      "id": 1,
      "language": "C Language",
      "appeared": 1972,
      "created": [
        "Dennis Ritchie",
        "Pius Restianoro"
      ]
    }
  ]
}
```

GET /languages with POST method : returns error method not allowed

The screenshot shows a REST client interface with a POST request to `{{base_url}} languages`. The response is a 405 Method Not Allowed error. The response body is displayed in JSON format:

```
1 {
2   "message": "Method Not Allowed",
3   "status": 405
4 }
```

GET /palindrome : fungsi pada soal nomor 1 ada pada API ini.
Not a palindrome

The screenshot shows a REST client interface with a GET request to `/palindrome?text=Mama`. The response is a 400 Bad Request error. The response body is displayed in JSON format:

```
{
  "message": "Mama is not a palindrome",
  "status": 400
}
```

Is a palindrome

GET /palindrome Get palindrome

Check if a text is palindrome

Parameters

Name	Description
text required	Text to check if palindrome

string (query)

Race Car

Execute Clear

Responses

Response content type: application/json

Curl

```
curl -X 'GET' \
  'http://localhost:5001/palindrome?text=Race%20Car' \
  -H 'accept: application/json'
```

Request URL

http://localhost:5001/palindrome?text=Race%20Car

Server response

Code: 200

Details

Response body

```
{
  "message": "Race Car is a palindrome",
  "status": 200
}
```

Response headers

POST /language: data json yang diperbaiki sebagai data POST ada didalam direktori “modules”, didalam file “fixed.post.data.json”.

POST Test

HTTP Whatsapp test / Test

POST {{base_url}} language

Send

Params Authorization Headers (8) Body Scripts Settings

none form-data x-www-form-urlencoded raw binary GraphQL JSON

Body

```
1 {
2   "language": "Python",
3   "appeared": 1991,
4   "created": ["Guido van Rossum"],
5   "functional": true,
6   "object-oriented": true,
7 }
```

Body Cookies Headers (4) Test Results

201 Created 19 ms 476 B

Pretty Raw Preview Visualize JSON

```
1 {
2   "data": {
3     "id": 3,
4     "language": "Python",
5     "appeared": 1991,
6     "created": [
7       "Guido van Rossum"
8     ],
9     "functional": true,
10    "object-oriented": true,
11    "relation": {
12      "influenced-by": [
13        "C",
14        "C++",
15        "ALGOL 68",

```

GET /language/{id} : Get language by id

GET

/language/{id}

Get language by ID

⌵

Fetch a programming language by its ID

Parameters

Cancel

Name	Description
id <small>★ required</small> integer (path)	Language ID

3

Execute

Clear

Responses

Response content type application/json

Curl

```
curl -X 'GET' \
  'http://localhost:5001/language/3' \
  -H 'accept: application/json'
```

Request URL

```
http://localhost:5001/language/3
```

Server response

Code	Details
200	<div><div>Response body</div><div><pre>{ "data": { "id": 3, "language": "Python", "appeared": 1991, "created": ["Guido van Rossum"] } }</pre></div></div>

PATCH /language/{id} : Edit language

PATCH Test

Whatsapp test / Test

PATCH `{{base_url}} language/2` Send

Params Authorization Headers (8) Body Scripts Settings Cookies Beautify

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL JSON

```
1 {
2   "created": [
3     "Robert Griesemer",
4     "Rob Pike",
5     "Ken Thompson",
6     "Pius Restianoro"
7   ]
8 }
```

Body Cookies Headers (4) Test Results 200 OK • 3 ms • 472 B • Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "data": {
3     "id": 2,
4     "language": "Go",
5     "appeared": 2009,
6     "created": [
7       "Robert Griesemer",
8       "Rob Pike",
9       "Ken Thompson",
10      "Pius Restianoro"
11    ],
12    "functional": true,
13    "object-oriented": false
14  }
15 }
```

Postbot Runner Capture requests Cookies Vault Trash

DELETE /language/{id}: Delete language by ID

DELETE /language/{id} Delete language by ID

Delete a programming language by its ID

Parameters

Name	Description
id * required integer (path)	Language ID

3

Execute

Clear

Responses

Response content type application/json

Curl

curl -X 'DELETE' \ 'http://localhost:5001/language/3' \ -H 'accept: application/json'

Request URL

http://localhost:5001/language/3

Server response

Code	Details
200	<div><div>Response body</div><div>{ "message": "Language deleted successfully", "status": 200 }</div><div><div>Download</div></div></div>

Semua data languages yg digunakan untuk proses CRUD berada didalam “package/db_struct/data.go”.