

Curl command is used for making http requests.

-H : to specify header. Content-Type: application/json

```
bash-4.4$ cat api.txt
GET      /api/:user      get all the to-do items for the user
POST     /api/:user      add a to-do item to the user's list, takes JSON obj. with "text"
GET      /api/:user/:id  get a to-do for the user by the id
PUT      /api/:user/:id  updates a to-do item, takes JSON obj. with "completed"
DELETE   /api/:user/:id  deletes a to-do item
```

curl -H "Content-Type: application/json"

```
bash-4.4$ curl -H "Content-Type: application/json" -X GET http://localhost:5000/api/adam
{
  "id": 14,
  "created": "2020-04-04 18:35:24",
  "todo_text": "start a to-do list",
  "completed": false
}

bash-4.4$ curl -H "Content-Type: application/json" -X POST http://localhost:5000/api/adam -d '{"text": "think of a different example"}'
{}

bash-4.4$ curl -H "Content-Type: application/json" -X GET http://localhost:5000/api/adam
{
  "id": 14,
  "created": "2020-04-04 18:35:24",
  "todo_text": "start a to-do list",
  "completed": false
},
{
  "id": 15,
  "created": "2020-04-04 18:36:47",
  "todo_text": "think of a different example",
  "completed": false
}

bash-4.4$ curl -H "Content-Type: application/json" -X PUT http://localhost:5000/api/adam/15 -d '{"completed": "True"}'
{}

bash-4.4$ curl -H "Content-Type: application/json" -X GET http://localhost:5000/api/adam
{
  "id": 14,
  "created": "2020-04-04 18:35:24",
  "todo_text": "start a to-do list",
  "completed": false
},
{
  "id": 15,
  "created": "2020-04-04 18:36:47",
  "todo_text": "think of a different example",
  "completed": true
}
```

what do you know so

```
bash-4.4$ curl -H "Content-Type: application/json" -X GET http://localhost:5000/api/adam/15
{
  "id": 15,
  "created": "2020-04-04 18:36:47",
  "todo_text": "think of a different example",
  "completed": true
}

bash-4.4$ curl -H "Content-Type: application/json" -X DELETE http://localhost:5000/api/adam/15
{}

bash-4.4$ curl -H "Content-Type: application/json" -X GET http://localhost:5000/api/adam/
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 3.2 Final//EN">
<title>404 Not Found</title>
<h1>Not Found</h1>
<p>The requested URL was not found on the server. If you entered the URL manually please check your spelling and try again.</p>

bash-4.4$ curl -H "Content-Type: application/json" -X GET http://localhost:5000/api/adam
{
  "id": 14,
  "created": "2020-04-04 18:35:24",
  "todo_text": "start a to-do list",
  "completed": false
}
```

some

you're getting back weird errors or

Executing GET Method or Request

- We are not implementing REST API's. We are using the existing REST API's for a given application.
- Web Application owner provides the document for their REST API's.
- First find the details like:
 - Base URL
 - Endpoints
 - Methods/requests
 - Response etc...
- Just Consider the web application as GitHub.
- Work with GitHub using GitHub REST API's.

Using POST api :

The **-X** flag specifies a custom request method to use when communicating with the HTTP server. By default, the **GET** method is used unless some other method is specified.

Users can send data with the POST request using the **-d** flag.

The **-H** flag can be used to send a specific data type or header with curl. The following command sends a JSON object with the request.

```
curl -d '{json}' -H 'Content-Type: application/json' url
```