

CURL

- BROWSER: To use JSON playground: <https://jsonplaceholder.typicode.com>
- BROWSER: To add «/posts»: <https://jsonplaceholder.typicode.com/posts>
- BROWSER: response with Users List is coming:

```
[
  {
    "userId": 1,
    "id": 1,
    "title": "sunt aut facere repellat provident occaecati excepturi optio reprehenderit",
    "body": "quia et suscipit\nsuscepit recusandae consequuntur expedita et cum\nreprehenderit molestiae ut ut quas totam\nnostrum rerum est autem sunt rem eveniet architecto"
  },
  {
    "userId": 1,
    "id": 2,
    ...
  }
]
```

- Start CLI
- CLI: Request: `curl https://jsonplaceholder.typicode.com/posts`
- CLI: Incoming Response is the same with browser's response:

```
[
  {
    "userId": 1,
    "id": 1,
    "title": "sunt aut facere repellat provident occaecati excepturi optio reprehenderit",
    "body": "quia et suscipit\nsuscepit recusandae consequuntur expedita et cum\nreprehenderit molestiae ut ut quas totam\nnostrum rerum est autem sunt rem eveniet architecto"
  },
  {
    "userId": 1,
    "id": 2,
    ...
  }
]
```

- CLI: For getting User with id 20: `curl https://jsonplaceholder.typicode.com/posts/20`

```
{
  "userId": 2,
  "id": 20,
  "title": "doloribus ad provident suscipit at",
  "body": "qui consequuntur ducimus possimus quisquam amet similique\nsuscepit porro ipsam amet\nneos veritatis officiis exercitationem vel fugit aut necessitatibus totam\nnomnis rerum consequatur expedita quidem cumque explicabo"
}
```

- CLI: Option «i» – to get headers' info + response body: `curl -i https://jsonplaceholder.typicode.com/posts/20`

```
C:\Users\Admin1>curl -i https://jsonplaceholder.typicode.com/posts/20
HTTP/1.1 200 OK
Date: Mon, 20 Dec 2021 17:10:39 GMT
Content-Type: application/json; charset=utf-8
Content-Length: 308
Connection: keep-alive
x-powered-by: Express
...
...
{
  "userId": 2,
  "id": 20,
  "title": "doloribus ad provident suscipit at",
  "body": "qui consequuntur ducimus possimus quisquam amet similique\nsuscepit porro ipsam amet\nneos veritatis officiis exercitationem vel fugit aut necessitatibus totam\nnomnis rerum consequatur expedita quidem cumque explicabo"
}
```

- CLI: Option «I» – to get headers' info only: `curl -I https://jsonplaceholder.typicode.com/posts/20`

```
C:\Users\Admin1>curl -I https://jsonplaceholder.typicode.com/posts/20
HTTP/1.1 200 OK
Date: Mon, 20 Dec 2021 17:10:39 GMT
Content-Type: application/json; charset=utf-8
Content-Length: 308
Connection: keep-alive
x-powered-by: Express
...
...
...
```

- CLI: Option «o» – to save a response into file «File.txt»:
`curl -o File.txt https://jsonplaceholder.typi.../posts`
- CLI: Option «O» – to save a response into text file «posts» without extension:
`curl -O https://jsonplaceholder.typi.../posts`
- CLI: To update user id 20: option «X» – request method HTTP, option «d “...”» update data (for correct parameters’ names ref to users list)
`curl -X PUT -d "title=MarcusLucius&body=Emperor" https://jsonplaceholder.typicode.com/posts/20`

```
C:\Users\Admin1>curl -X PUT -d "title=MarcusLucius&body=Emperor" https://jsonplaceholder.typicode.com/posts/20
{
  "title": "MarcusLucius",
  "body": "Emperor",
  "id": 20
}
```
- CLI: To create user (id will be (last id)+1): option «--data “...”» create data(for correct parameters’ names ref to users list)
`curl --data "title=MiramacOrdus&body=Wiper" https://jsonplaceholder.typicode.com/posts/`

```
C:\Users\Admin1>curl -X PUT -d "title=MarcusLucius&body=Emperor" https://jsonplaceholder.typicode.com/posts/20
{
  "title": " MiramacOrdus ",
  "body": " Wiper ",
  "id": 101
}
```
- CLI: To download a picture
- BROWSER: Copy picture’s URL «https://i.imgur.com/IBItATn.png»
- CLI: Load the picture: `curl -O https://i.imgur.com/IBItATn.png`