

# cURL References

This is a reference sheet for your second activity but also the rest of this day's lesson.

## The cURL Syntax

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### cURL

`cURL` is a tool to transfer data from or to a server, using one of the supported protocols without user interaction.

```
# Fetch HTML
curl example.com
```

This fetches the HTML for a web page using a GET request

```
# Views the request/response text
curl -v example.com
```

This views the request/response text by adding the `-v` flag

```
# View the response headers
curl -I example.com
```

This uses the `-I` flag to view the response headers only.

```
# Setting a request type and URL
curl --request GET --url example.com
```

This explicitly sets a request type and URL with the `--request` and `--url` options

```
# Viewing available options
curl --help
```

- The `--help` flag shows all available options for cURL command.

```
# Send a GET request with parameters
curl --request https://example.com/get?parameter=value
```

- This sends a GET request to the /get endpoint with the indicated parameters.
  - `-- request` : set the request type
  - `-- name` : your name
  - `-- location` : your current city

```
# Send a GET request with parameters and show both request and response headers
curl -v --request https://example.com/get?name=rodric&location=atlanta
```

- This sends a GET request to the /get endpoint with the following parameters: name, location but also prints out both request and response headers
  - `-v` : Show more detailed info like both request and response header.
  - `--request` : set the request type
  - `name` : your name
  - `location` : your current city

```
# Send a POST request with parameters
curl -v --request POST --url https://postman-echo.com/post --data 'name=<yourname>&location=<yourlocation>'
```

- This sends a POST request to the /post endpoint using the same data as query parameters before, but using cURL's --data option instead.
  - `--url` specific custom URL
  - `--data` specify parameters

```
# Send a GET request with request headers
curl -X --url https://httpbin.org/bearer -H 'authorization: {Type} {Credential}'
```

- This sends a GET request to the bearer endpoint for httpbin.org. You need to set the `type` of authorization and also the `credential` .
  - `-H` : Sets a request header

