

The following exercises are related to the use of the command line tool curl.

1. Create a git repository for your answers to this problem sheet. Push the repository to GitHub. Make a commit and push it to GitHub after each exercise.
2. What is cURL
3. Use curl to view the image (Static Resource) at `https://odetocode.com/odetocode.jpg`. Add the http request and response to your Readme file.
4. Use curl to download the HTML page located at `http://www.jmarshall.com/easy/http/`, and save its contents to a file named `http-easy.html`. Open the URL in a browser, and compare the source of the page to the file you created using curl.
5. Use curl to download the contents of the HTML page located at `http://www.duckduckgo.com`, saving the contents to a file named `duckduckgo.html`. Open the URL in a browser, and compare the source of the page to the file you created using curl. Investigate the HTTP transaction using curl's verbose mode. Try to redirect the output from curl to a file called `duckduckgo.txt`.
6. In your browser, search for the term GMIT using DuckDuckGo. Note the URL in the browser's location bar. Adapt the URL and use it, with curl, to save the response from DuckDuckGo when searching for *science* to `science.txt`. Do the same for the term *computer science*, saving the response to `computer-science.txt`.
7. Use curl to save the response from `http://duckduckgo.com/?q=gmit&format=json` to the file `gmit.json`. Open the file and re-format it by adding white space to make it easier to read.
8. Using the network tab on your browsers developer tools determine how many http calls take place when browsing the Irish Times or the Irish Independent web sites.