

Parallel Hashing

Create a program which accepts a text file containing a list of URLs, separated by newlines. The program should download the URLs in parallel and calculate the MD5 of the content that you downloaded from each URL.

After calculating all of the MD5s, it should print the MD5s to standard out separated by newlines, in the same order as the corresponding URLs were originally specified.

The program should allow the user to limit the number of requests that are processed in parallel.

Example input:

```
http://example.com/  
https://github.githubassets.com/images/mona-loading-default.gif  
https://upload.wikimedia.org/wikipedia/commons/d/d3/Trex_pixel.png
```

Example output:

```
84238dfc8092e5d9c0dac8ef93371a07  
c502cd01c910b4f53d86603d6bd078ff  
e9d2e589fdf6b0e8517aa22c1c8b89a4
```