

For your first project, I want you to write a Bash script to print information about filesystem objects.

The script is to take a list of file system objects on the command line. If there are no arguments to the script, it should treat the list as being the directory `'.'`. For each object in the list, I want you to call the function below with the object as the argument.

I want you to write a function taking a single argument.

- if the argument is a regular file, you are to print the name of the file, its size, and the type of the contents as reported by the `file` command. [The commands `cut` or `sed` may be useful.
- if the argument is a symbolic link, print the name, `"symbolic link "` and the name of the linked-to file [look at the output of `"ls -l"`]
- if the argument is a directory, do the same things on the objects in the directory (where the file name is to include the directory name) [recursion]
- if the argument is anything else, print the name and `"unknown"`.

I want you to name the file `proj1`. I want you to turn it in by copying the source file to the directory

`/accounts/classes/schultemw/cs2750/sstudent_number`.

You must ensure that I can read and execute the file and that the file is called `proj1`.

Due Date: 20 Feb 2017 for the MW class; 21 Feb 2017 for the TTh class