

filesize.sh

```

1  #!/bin/bash
2
3  # report the size of all regular files in the argument directory
4  # Your Name Here
5
6  if [ $# -eq 0 ]
7  then
8      directory='.'
9  elif [ $# -ne 1 ] || [ ! -d "$1" ]
10 then
11     echo "Usage: $0 [directory name]"
12     exit 1
13 else
14     directory="$1"
15 fi
16
17 file_count=$(ls $directory | wc -w)
18 if [ $file_count -eq 0 ]
19 then
20     echo "$directory is an empty directory"
21     exit 0
22 fi
23
24 sum=0
25 #ls -l "$directory" |
26 for file in $(ls -l "$directory/") # note: -l is a digit one
27 do
28     if [ -f "$directory/$file" ]
29     then
30         set -- $(ls -l "$directory/$file") # note: -l is lowercase letter L
31         sum=$((sum + $5)) # the file size is the fifth column
32     fi
33
34     if [ "$file_count" -gt 1 ]
35     then
36         let file_count--
37     else
38         if [ "$directory" = "." ]
39         then
40             directory="current working directory"
41         fi
42         echo "Sum of sizes of ordinary files in $directory is $sum bytes."
43     fi
44 done
45 exit 0

```