**Write a shell script that receives any number of file names as arguments checks if every argument supplied is a file or directory and reports accordingly. Whenever the argument is a file it reports no of lines present in it**

ALGORITHM:

step 1: if arguments are less than 1 print Enter at least one input file name and goto step 9 Step 2: selects list a file from list of arguments provided in command line

Step 3: check for whether it is directory if yes print is directory and goto step 9 step 4: check for whether it is a regular file if yes goto step 5 else goto step 8 Step 5: print given name is regular file

step 6: print No of lines in file step 7: goto step

step 8: print not a file or adirectory step 9: stop

### Script name: 4.sh

#!/bin/bash if [ $# -lt 1 ] then

else

echo "Enter at least one input file name"

for i in $\* do

if [ -d $i ] then

echo " given name is directory" elif [ -f $i ]

then

done

fi

else fi

echo " given name is file: $i"

echo " No of lines in file are : `wc -l $i`" echo "given name is not a file or a directory"

### Execution:

provide two file names as input one a regular file and other directory

for example abc1.txt a text file as first argument and vazralu a directory as second argument

### Run1:

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[root@localhost sh]# sh 4.sh abc1.txt snist given name is file: abc1.txt

No of lines in file are : 7 abc1.txt

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snist is directory

**run 2:**[root@localhost sh]# sh 4.sh abc1.txt abc2.txt given name is file: abc1.txt

No of lines in file are : 7 abc1.txt given name is file: abc2.txt

No of lines in file are : 7 abc2.txt

Assognments:

|  |
| --- |
| Write a shell script to count no of regular files in the current working directory |
| Write a shell script to display list of currently logged users |



cccc

check data in abc1.txt file [root@localhost sh]# cat abc2.txt abc

def ghi abc abc cccc

executing script

[root@localhost sh]# sh 5.sh abc1.txt abc2.txt Word = abc, Count = 3

Word = def, Count = 1 Word = ghi, Count = 1 Word = abc, Count = 3 Word = abc, Count = 3 Word = cccc, Count = 1

|  |
| --- |
| Write a shell script to print prime numbers |
| Write a shell script to print Fibonacci numbers |

**Write a shell script to list all of the directory files in a directory.**

Algorithm:

Step1: enter the name of the directory Read dir

Step2: if it is a directory

Then list the files present in that directory

By using ls command with –p option to list all directory files in a given directory Step 3: else enter the directory name

Step 4: stop

**Script name: 6.sh**

#!/bin/bash

echo " Enter dir name: " read dir

if [ -d $dir ] then

else fi

printf " Files in Directory $dir are...\n`ls $dir`" echo " Dir does not exist"

Execution and output:

[root@localhost sh]# sh 6.sh Enter dir name:

japs

Files in Directory japs are... abc1.txt

abc2.txt ls-l.c prg5

s1

