

```
shubham@DESKTOP-670QJ40:~/shell$ mkdir first second third fourth fifth
shubham@DESKTOP-670QJ40:~/shell$ ls
fifth  first.sh  fourth  second.sh  third.sh
first  for.sh    second  third
shubham@DESKTOP-670QJ40:~/shell$ vi a1.sh
shubham@DESKTOP-670QJ40:~/shell$ chmod u+x a1.sh
shubham@DESKTOP-670QJ40:~/shell$ ./a1.sh
The present working directory contains 10 files
```

```
#!/bin/bash

file_count()
{
    local count=$(ls -1 | wc -l)
    echo "The present working directory contains $
count files"
}

file_count
```

```
shubham@DESKTOP-670QJ40:~/shell$ vi A2.SH
shubham@DESKTOP-670QJ40:~/shell$ chmod u+x A2.SH
shubham@DESKTOP-670QJ40:~/shell$ ./A2.SH
Directory: /usr/local/sbin
Number of executable files: 0

Directory: /usr/local/bin
Number of executable files: 0

Directory: /usr/sbin
Number of executable files: 0

Directory: /usr/bin
Number of executable files: 0

Directory: /sbin
Number of executable files: 0

Directory: /bin
Number of executable files: 0

Directory: /usr/games
Number of executable files: 0

Directory: /usr/local/games
Number of executable files: 0

Directory: /usr/lib/wsl/lib
Number of executable files: 0

Directory: /mnt/c/Program Files/WindowsApps/CanonicalGroupLimited.Ubuntu_2204.2.29.0_x64__
79rhkp1fndgsc
Number of executable files: 0
```

```
#!/bin/bash

IFS=':' read -ra dirs <<< "$PATH"

for dir in "${dirs[@]};
do

    num_exec=$(find "$dir" -type f -perm +x | wc -l)

    echo "Directory: $dir"
    echo "Number of executable files: $num_exec"
    echo ""

done_
```

```
shubham@DESKTOP-670QJ40:~/shell$ vi a3.sh
shubham@DESKTOP-670QJ40:~/shell$ chmod u+x a3.sh
shubham@DESKTOP-670QJ40:~/shell$ ./a3.sh
none
none
/dev/sdc
none
rootfs
none
none
none
none
none
tmpfs
```

```
#!/bin/bash
```

```
function find_files()  
{  
    var= df -h | awk '{if($5<10) print $1}'  
    echo $var  
}  
  
find_files
```

```
shubham@DESKTOP-670QJ40:~/shell$ vi a4.sh  
shubham@DESKTOP-670QJ40:~/shell$ chmod u+x a4.sh  
shubham@DESKTOP-670QJ40:~/shell$ ./a4.sh  
shubham@DESKTOP-670QJ40:~/shell$ ./a4.sh first  
Content of first:  
total 0
```

```
#!/bin/bash  
  
for dir_name in "$@";  
do  
    if [ ! -d "$dir_name" ];  
    then  
        echo "$dir_name is not a directory"  
        continue  
    fi  
done  
  
echo "Content of $dir_name:"  
  
var= ls -l "$dir_name"  
echo $var  
  
done
```