```
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
```

```bash
#!/bin/bash

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

        file_count
```

```
shubham@DESKTOP-670QJ40:~/shell$ ls
a1.sh   first       for.sh   second       third
fifth   first.sh   fourth   second.sh   third.sh
shubham@DESKTOP-670QJ40:~/shell$ vi a2.sh
shubham@DESKTOP-670QJ40:~/shell$ chmod u+x a2.sh
shubham@DESKTOP-670QJ40:~/shell$ ./a2.sh
```

```bash
#!/bin/bash

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

for dir in "${directories[@]}";
do
      number_of_executables=$(find "$dir" -maxdepth 1 -type f -executable | wc -l)
      echo "$dir: $number_of_executables"
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
tmpfs
```

```bash
#!/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
```

```bash
#!/bin/bash

for dir_name in "$@";
do
                if [ ! -d "$dir_name" ];
                                then
                                                                echo "$dir_name is not a directory
"
                                                        continue
                                                                fi

                                                                                ec
ho "Content of $dir_name:"

        var= ls -l "$dir_name"

                echo $var
        ■
        done
```