```bash
#!/bin/bash

function start {
echo "starting the application.."
}

function stop {
echo "stopping the application.."
}

case $1 in
"start")
        start;;
"stop")
        stop;;
"restart")
        stop
        start
        ;;
*)
        echo "Invalid option"
        ;;
esac
```

```
sarthak@Vegetamaster:~/shell$
sarthak@Vegetamaster:~/shell$
sarthak@Vegetamaster:~/shell$ nano start_stop.sh
sarthak@Vegetamaster:~/shell$ chmod +x start_stop.sh
sarthak@Vegetamaster:~/shell$
sarthak@Vegetamaster:~/shell$ ./start_stop.sh start
starting the application..
sarthak@Vegetamaster:~/shell$ ./start_stop.sh stop
stopping the application..
sarthak@Vegetamaster:~/shell$ ./start_stop.sh restart
stopping the application..
starting the application..
sarthak@Vegetamaster:~/shell$
```

```
GNU nano 6.2                              file_count.sh
#!/bin/bash

function file_count {
local count=$(ls -l | wc -l)
echo "The total number of files are : $count"
}

file_count
```

```
sarthak@Vegetamaster:~/shell$
sarthak@Vegetamaster:~/shell$
sarthak@Vegetamaster:~/shell$ nano file_count.sh
sarthak@Vegetamaster:~/shell$ chmod +x file_count.sh
sarthak@Vegetamaster:~/shell$ ./file_count.sh
The total number of files are : 6
sarthak@Vegetamaster:~/shell$
```

```
  GNU nano 6.2                                          lt10%space.sh
#!/bin/bash

df -h awk '{if ($5 -lt "10%) print $1}'
```

```
sarthak@Vegetamaster:~/shell$
sarthak@Vegetamaster:~/shell$
sarthak@Vegetamaster:~/shell$ nano lt10%space.sh
sarthak@Vegetamaster:~/shell$ chmod +x lt10%space.sh
sarthak@Vegetamaster:~/shell$
sarthak@Vegetamaster:~/shell$ ./lt10%space.sh
df: awk: No such file or directory
df: '{if ($5 -lt "10%) print $1}': No such file or directory
sarthak@Vegetamaster:~/shell$
sarthak@Vegetamaster:~/shell$
```

```
  GNU nano 6.2                                          dir_content.sh
#!/bin/bash

for dir in "$@"
do
        echo -n "The Content of directory"
        ls -l "$dir"
done
```

```
sarthak@Vegetamaster:~/shell$ nano dir_content.sh
sarthak@Vegetamaster:~/shell$ chmod +x dir_content.sh
sarthak@Vegetamaster:~/shell$ ./dir_content.sh /
The Content of directorytotal 1472
lrwxrwxrwx    1 root root        7 Apr 13 03:05 bin -> usr/bin
drwxr-xr-x    2 root root     4096 Apr 18  2022 boot
drwxr-xr-x    9 root root     3000 Apr 20 11:38 dev
drwxr-xr-x   73 root root     4096 Apr 20 11:40 etc
drwxr-xr-x    3 root root     4096 Apr 20 11:39 home
-rwxr-xr-x    2 root root  1440152 Dec 29 17:26 init
lrwxrwxrwx    1 root root        7 Apr 13 03:05 lib -> usr/lib
lrwxrwxrwx    1 root root        9 Apr 13 03:05 lib32 -> usr/lib32
lrwxrwxrwx    1 root root        9 Apr 13 03:05 lib64 -> usr/lib64
lrwxrwxrwx    1 root root       10 Apr 13 03:05 libx32 -> usr/libx32
drwx------    2 root root    16384 Apr 10  2019 lost+found
drwxr-xr-x    2 root root     4096 Apr 13 03:05 media
drwxr-xr-x    5 root root     4096 Apr 20 11:38 mnt
drwxr-xr-x    2 root root     4096 Apr 13 03:05 opt
dr-xr-xr-x  216 root root        0 Apr 20 11:39 proc
drwx------    2 root root     4096 Apr 13 03:06 root
drwxr-xr-x    7 root root      140 Apr 20 12:15 run
lrwxrwxrwx    1 root root        8 Apr 13 03:05 sbin -> usr/sbin
drwxr-xr-x    8 root root     4096 Apr 13 03:06 snap
drwxr-xr-x    2 root root     4096 Apr 13 03:05 srv
dr-xr-xr-x   11 root root        0 Apr 20 11:38 sys
drwxrwxrwt    2 root root     4096 Apr 20 11:39 tmp
drwxr-xr-x   14 root root     4096 Apr 13 03:05 usr
drwxr-xr-x   13 root root     4096 Apr 13 03:06 var
sarthak@Vegetamaster:~/shell$
```