Ques: Write a shell script that consists of a function that displays the number of files in the present working directory. Name this function "file_count" and call it in your script. If you use variable in your function, remember to make it a local variable.

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

```
srishtirupa@linux:~$ touch a2.sh
srishtirupa@linux:~$ chmod 777 a2.sh
srishtirupa@linux:~$ nano a2.sh
srishtirupa@linux:~$ bash a2.sh
The present working directory contains 60 files
srishtirupa@linux:~$
```

Ques: For each directory in the \$PATH, display the number of executable in that directory.

```
srishtirupa@linux:~$ touch a3.sh
srishtirupa@linux:~$ chmod 777 a3.sh
srishtirupa@linux:~$ nano a3.sh
srishtirupa@linux:~$ bash a3.sh
srishtirupa@linux:~$ nano a3.sh
```

Ques: Display the names of any file-system which have less than 10% free space available

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

```
srishtirupa@linux:~$ nano as5.sh
srishtirupa@linux:~$ touch a4.sh
srishtirupa@linux:~$ chmod 777 a4.sh
srishtirupa@linux:~$ nano a4.sh
srishtirupa@linux:~$ bash a4.sh
tmpfs
tmpfs
tmpfs
tmpfs
tmpfs
```

Ques: Write a script that takes any number of directories as commandline arguments and then lists the contents of each of these directories.

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

done
```

```
srtshttrupa@linux:~$ touch as5.sh
srishttrupa@linux:~$ chmod 777 as5.sh
srtshttrupa@linux:~$ nano as5.sh
srtshttrupa@linux:~$ ls
a1.sh
demo2.txt.gz marks.t
a25.sh demo2.txt.gz marks.t
a25.sh demo2.txt.gz marks.t
                                                                                                                                                                                                                                                                                                                              marks.txt public msg.txt s10.sh music s11.sh
                                                                                                                                                         demo.txt msg.txt
demo.txt.gz music
desktop new_1.jpg
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s15.sh
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s20.sh
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               s6.sh
s7.sh
                bigdata
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    t1.txt
            bigdata desktop
class.txt desktop
copied13.txt documents
demo1 downloads
                                                                                                                                                                                                                                                                                                                                                                                                                                                s12.sh
s131.sh
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'shell scripting.txt' test3
    demo1 downLoads new.txt demo12.txt igtest plctures srtshttrupa@linux:-$ bash as5.sh home home is not a directory srtshtrupa@linux:-$ bash as5.sh dekstop dekstop is not a directory srishttrupa@linux:-$ bash as5.sh /dekstop /dekstop is not a directory srishttrupa@linux:-$ bash as5.sh /dekstop /dekstop is not a directory srishttrupa@linux:-$ bash as5.sh /dekstop /dekstop is not a directory srishttrupa@linux:-$ bash as5.sh /dekstop /dekstop is not a directory srishtrupa@linux:-$ bash as5.sh /dekstop /dekstop is not a directory srishtrupa@linux:-$ bash as5.sh /dekstop /dekstop is not a directory srishtrupa@linux:-$ bash as5.sh /dekstop /dekstop is not a directory srishtrupa@linux:-$ bash as5.sh /dekstop /dekst
      srishtirupa@linux:~$ bash as5.sh .
Content of .:
        total 216
-rwxrwxrwx 1 srishtirupa srishtirupa
-rwrwxrwx 1 srishtirupa srishtirupa
-rwrwrrw-r-- 1 srishtirupa srishtirupa
-rw-rw-r-- 1 srishtirupa srishtirupa
-rw-rw-rr-- 1 srishtirupa srishtirupa
-rw-rw-rx-- 2 srishtirupa srishtirupa
-rw-rx-x-x 2 srishtirupa srishtirupa
-rw-rx-x-x 2 srishtirupa srishtirupa
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-rw-rw-r-- 1 srishtirupa srishtirupa

drwxr-xr-x 2 srishtirupa srishtirupa

drwxr-xr-x 2 srishtirupa srishtirupa

drwxr-xr-x 2 srishtirupa srishtirupa

-rw-rw-r-- 1 srishtirupa srishtirupa

-rw-rw-r-- 1 srishtirupa srishtirupa
                                                                                                                                                                                                                                                                                                                                                                                                     4096 Apr 18 14:42 desktop
4096 Apr 20 01:27 documents
4096 Apr 20 01:27 downloads
26 Apr 14 10:01 igtest
63 Apr 18 14:52 marks.txt
    -rw-rw-r-- 1 srishtirupa srishtirupa
drwxr-xr-x 2 srishtirupa srishtirupa
-rw-rw-r-- 1 srishtirupa srishtirupa
-rw-rw-r-- 1 srishtirupa srishtirupa
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4096 Apr 14 04:33
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0 Apr 20 16:09 new_s.jpg
```