Shell Script 1

- Create the startup script for an application start and stop.

```
root@DESKTOP-M3TSUJI:/home# vi script1.sh
```

```
#!/bin/bash

APP_NAME="script1"
APP_PATH="C:\Users\Simran\Infobell"

start() {
    if pgrep -f "$APP_NAME" > /dev/null; then
        echo "$APP_NAME is already running"
    else
        cd "$APP_PATH"
        nohup ./run.sh > /dev/null 2>&1 &
        echo "Started $APP_NAME"
    fi
}

stop() {
    if pgrep -f "$APP_NAME" > /dev/null; then
        pkill -f "$APP_NAME"
        echo "Stopped $APP_NAME"
    else
        echo "$APP_NAME is not running"
    fi
}

case "$1" in
    start)
        start
        ;;
    stop)
        stop
        ;;
    restart)
        stop
        sleep 1
        start
        ;;
    *)
        echo "Usage: $0 {start|stop|restart}"
        exit 1
        ;;
esac

exit 0
~
~
~
```

```
root@DESKTOP-M3TSUJI:/home# chmod +x script1.sh
root@DESKTOP-M3TSUJI:/home# ./script1.sh start
script1 is already running
root@DESKTOP-M3TSUJI:/home# ./script1.sh stop
Terminated
root@DESKTOP-M3TSUJI:/home# ./script1.sh restart
Terminated
```

- 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.

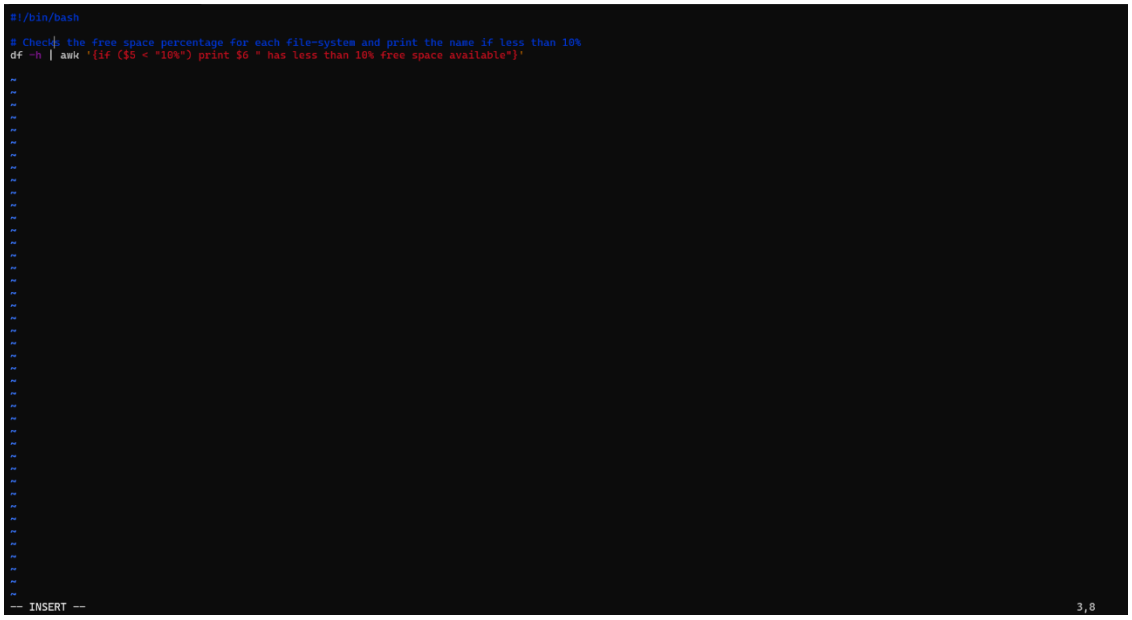
```
root@DESKTOP-M3TSUJI:/home# vi script2.sh
```

```
#!/bin/bash

file_count () {
    local count =$(ls -1 | wc -l)
    echo "$count number of files are present in the directory"
}

file_count

-- INSERT --                                                        7,1          All
```

```
root@DESKTOP-M3TSUJI:/home# vi script2.sh
root@DESKTOP-M3TSUJI:/home# chmod +x script2.sh
root@DESKTOP-M3TSUJI:/home# ./script2.sh
./script2.sh: line 4: local: `=33': not a valid identifier
 number of files are present in the directory
```

- For each directory in the $PATH, display the number of executable in that directory

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



- Write a script that takes any number of directories as command-line arguments and then lists the contents of each of these directories.