Name: Muhammad Fahad

Id: FA19-BSSE-0014

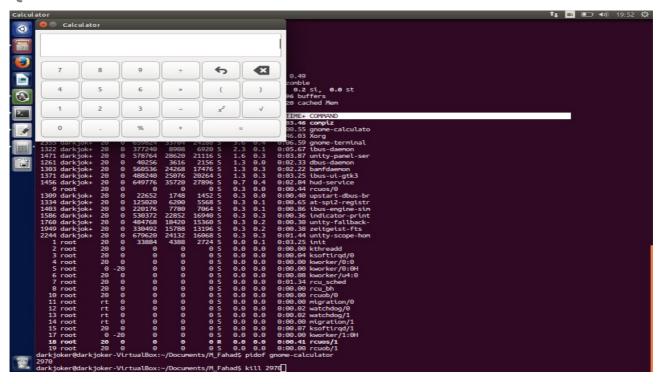
Course: Operating System Lab

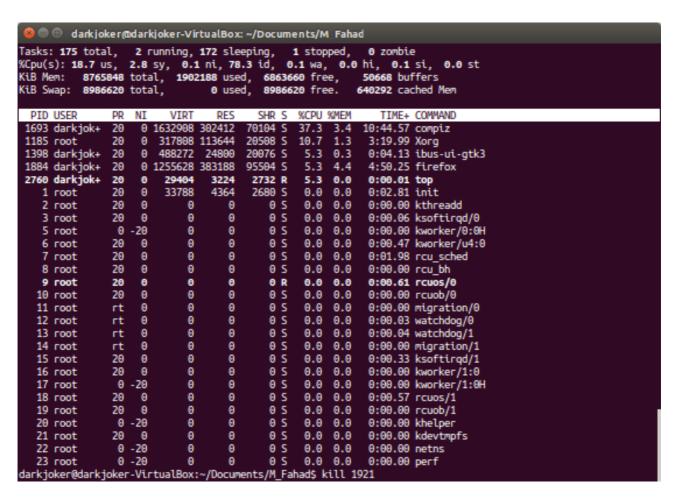
Section: AM

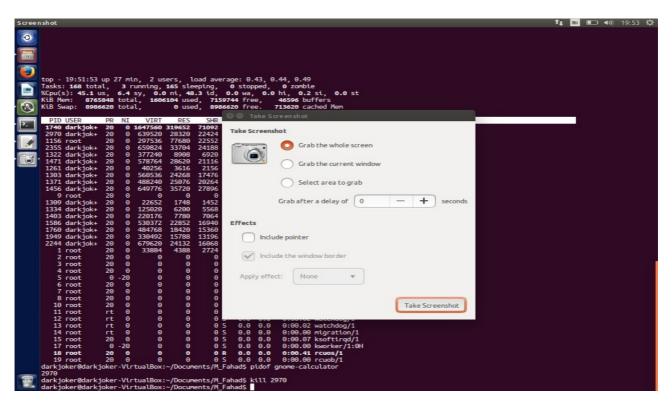
Assignment

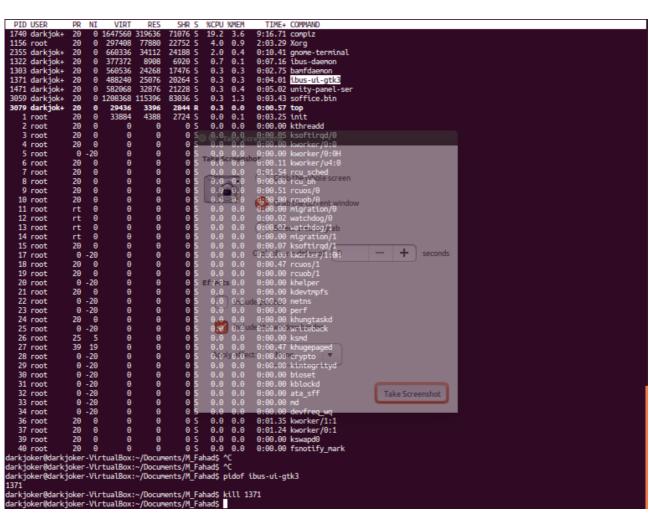
Question#1

```
darkjoker@darkjoker-VirtualBox:~/Documents/M_Fahad$ ls -l
total 0
-rw------ 1 darkjoker darkjoker 0 يمون 12 19:45 f2
-rwxrwx--- 1 darkjoker darkjoker 0 يمون 12 19:45 f3
-rw-rw-r-- 1 darkjoker darkjoker 0 يمون 12 19:45 f4
-rw-rw-r-- 1 darkjoker darkjoker 0 يمون 12 19:45 f4
-rw-rw-r-- 1 darkjoker darkjoker 0 يمون 12 19:45 f5
darkjoker@darkjoker-VirtualBox:~/Documents/M_Fahad$
```









```
darkjoker@darkjoker-VirtualBox:~/Documents/M_Fahad$ cat > file1
First File
^C
darkjoker@darkjoker-VirtualBox:~/Documents/M_Fahad$ cat > file2
Second File.
^C
darkjoker@darkjoker-VirtualBox:~/Documents/M_Fahad$ cat file1
First File
darkjoker@darkjoker-VirtualBox:~/Documents/M_Fahad$ cat file1 file2 > file3
darkjoker@darkjoker-VirtualBox:~/Documents/M_Fahad$ cat file3
First File
Second File.
darkjoker@darkjoker-VirtualBox:~/Documents/M_Fahad$
```

```
darklord@darklord:~/Documents/fahad$ cat > file1
file 1
darklord@darklord:~/Documents/fahad$ cat > file2
file 2
darklord@darklord:~/Documents/fahad$ cat file1 file2 > file3
darklord@darklord:~/Documents/fahad$ cat file3
file 1
file 2
darklord@darklord:~/Documents/fahad$ sudo chown root file3
[sudo] password for darklord:
darklord@darklord:~/Documents/fahad$ ls -l
total 12
-rw-rw-r-- 1 darklord darklord 7 21:46 12
                                           file1 نومبر
-rw-rw-r-- 1 darklord darklord 7 21:46 12
                                           file2 نومبر
                                           file3 نومبر
-rw-rw-r-- 1 root
                     darklord 14 21:46 12
darklord@darklord:~/Documents/fahad$
```

```
🔞 🖱 📵 darkjoker@darkjoker-VirtualBox: ~/Documents/M Fahad
darkjoker@darkjoker-VirtualBox:~$ cd Documents
darkjoker@darkjoker-VirtualBox:~/Documents$ mkdir M_Fahad
mkdir: cannot create directory 'M_Fahad': File exists
darkjoker@darkjoker-VirtualBox:~/Documents$ cd M Fahad
darkjoker@darkjoker-VirtualBox:~/Documents/M Fahad$ stat f2
 File: 'f2'
                         Blocks: 0
 Size: 0
                                             IO Block: 4096
                                                               regular empty file
Device: 801h/2049d
                         Inode: 5639056
                                             Links: 1
Access: (0770/-rwxrwx---) Uid: ( 1000/darkjoker) Gid: ( 1000/darkjoker)
Access: 2021-11-12 20:19:39.879718000 +0500
Modify: 2021-11-12 19:45:25.383484739 +0500
Change: 2021-11-12 19:46:58.951484739 +0500
Birth: -
darkjoker@darkjoker-VirtualBox:~/Documents/M Fahad$
darkjoker@darkjoker-VirtualBox:~/Documents/M Fahad$ touch -a f2
darkjoker@darkjoker-VirtualBox:~/Documents/M Fahad$ stat f2
 File: 'f2'
 Size: 0
                        Blocks: 0
                                            IO Block: 4096
                                                              regular empty file
Device: 801h/2049d
                        Inode: 5639056
                                            Lünks: 1
Access: (0770/-rwxrwx---) Uid: ( 1000/darkjoker) Gid: ( 1000/darkjoker)
Access: 2021-11-12 21:48:08.959673400 +0500
Modify: 2021-11-12 19:45:25.383484739 +0500
Change: 2021-11-12 21:48:08.959673400 +0500
Birth: -
```

```
darkjoker@darkjoker-VirtualBox:~/Documents/M Fahad$ nano Q5.sh
darkjoker@darkjoker-VirtualBox:~/Documents/M_Fahad$ bash Q5.sh
Enter Your Full Name
Muhammad Fahad
Enter Your Id
FA19-BSSE-0014
Enter your Semester
5th Semester
Enter your Program
BSSE
Enter Your Cousre
Operating System lab
Enter your Section
Αm
           === Bio Data ====
 Name
             Muhammad Fahad |
             FA19-BSSE-0014 |
  Semester
             5th Semester |
             BSSE
  Program
           | Operating System lab |
  Course
darkjoker@darkjoker-VirtualBox:~/Documents/M Fahad$
```

Code:

```
echo "Enter Your Full Name"
read fName
echo "Enter Your Id"
read id
echo "Enter your Semester"
read semester
echo "Enter your Program"
read program
echo "Enter Your Cousre"
read course
echo "Enter your Section"
read section
echo "====== Bio Data ======="
echo "| Name\t|\t$fName \t|"
echo "| ID\t|\t$id \t|"
echo "| Semester\t|\t$semester \t|"
echo "| Program\t|\t$program \t|"
echo "| Course\t|\t$course \t|"
echo "| Section\t|\t$section \t|"
```

```
darkjoker@darkjoker-VirtualBox:~/Documents/M_Fahad$ nano Q6.sh
darkjoker@darkjoker-VirtualBox:~/Documents/M_Fahad$ bash Q6.sh
Enter Student Marks
69
He/She is eligible
darkjoker@darkjoker-VirtualBox:~/Documents/M_Fahad$
```

CODE:

#! /bin/sh

echo "Enter Student Marks" read markss

if [\$marks -ge 50] then echo "He/She is eligible" else echo "Not Eligible!" fi

```
darkjoker@darkjoker-VirtualBox:~/Documents/M_Fahad$ nano Q7.sh
darkjoker@darkjoker-VirtualBox:~/Documents/M_Fahad$ bash Q7.sh
Enter First Number:
56
Enter Second Number:
45
Addition : 101
Subtraction : 11
Multiplication : 2520
Division : 1
darkjoker@darkjoker-VirtualBox:~/Documents/M Fahad$
```

#! /bin/sh

echo "Enter First Number: \b"
read n1
echo "Enter Second Number: \b"
read n2

echo "Addition: `expr \$n1 + \$n2`"
echo "Subtraction: `expr \$n1 - \$n2`"
echo "Multiplication: `expr \$n1 * \$n2`"
echo "Division: `expr \$n1 / \$n2`"