

## Submission Guidelines

Name of the File: Regno\_Name\_CSE2005\_Ex2\_Shell\_Programming

Required Contents: Virtual Box

Reg No:20BCE1798

Name: ANSH GOEL

Course: CSE2005-Operating Systems (Embedded Lab)

Slot: L27+L28

Ex No 2: Shell Programming

Date: 21-01-22

### Question:

Get the 5 marks (5 Courses) of 2 students, and print their grades based on the marks scored on the respective courses.

Grades:

91-100 - S

81-90 - A

71-80 - B

61-70 - C

51-60 - D

<50 - F

Note: Use looping and control structures wherever required.

## **CODE:**

```
clear
```

```
echo
```

```
echo "\tStudent Mark List"
```

```
echo
```

```
echo Enter the Student name
```

```
read Name
```

```
echo Enter the Register number
```

```
read Regno
```

```
echo Enter the Mark1
```

```
read m1
```

```
echo Enter the Mark2
```

```
read m2
```

```
echo Enter the Mark3
```

```

read m3

echo Enter the Mark4

read m4

echo Enter the Mark5

read m5

tot=$(expr $m1 + $m2 + $m3 + $m4 + $m5)

avg=$(expr $tot / 5)

echo -----

echo '\tStudent Mark List'

echo -----

echo "Student Name   : $Name"

echo "Register Number : $Regno"

echo "Mark1         : $m1"

echo "Mark2         : $m2"

echo "Mark3         : $m3"

echo "Mark4         : $m4"

echo "Mark5         : $m5"

echo "Total         : $tot"

echo "Average       : $avg"

if [ $m1 -ge 35 ] && [ $m2 -ge 35 ] && [ $m3 -ge 35 ] && [ $m4 -ge 35 ] && [ $m5 -ge 35 ]

then

echo "Result       : Pass"


if [ $avg -ge 90 ]

then

echo "Grade       : S"

elif [ $avg -ge 80 ]

then

echo "Grade       : A"

elif [ $avg -ge 70 ]

then

echo "Grade       : B"

elif [ $avg -ge 60 ]

```

```

then

    echo "Grade      : C"

elif [ $avg -ge 50 ]

then

    echo "Grade      : D"

elif [ $avg -ge 35 ]

then

    echo "Grade      : E"

fi

else

    echo "Result      : Fail"

fi

echo

```

## OUTPUT:

## CODE:

```

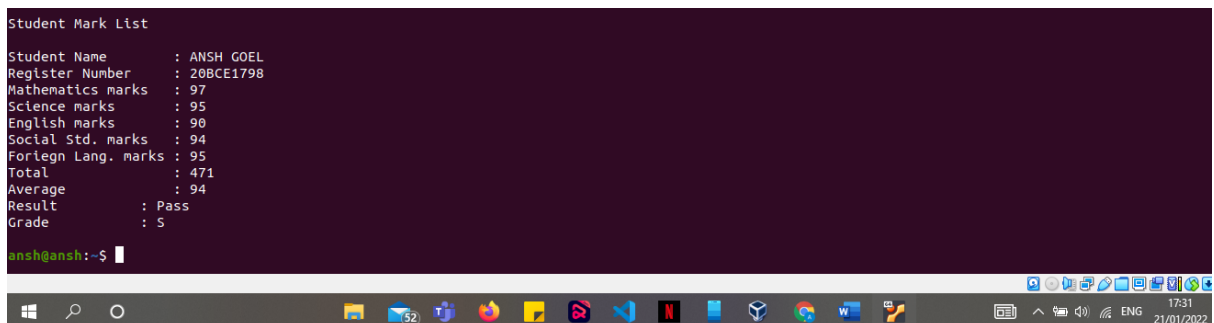
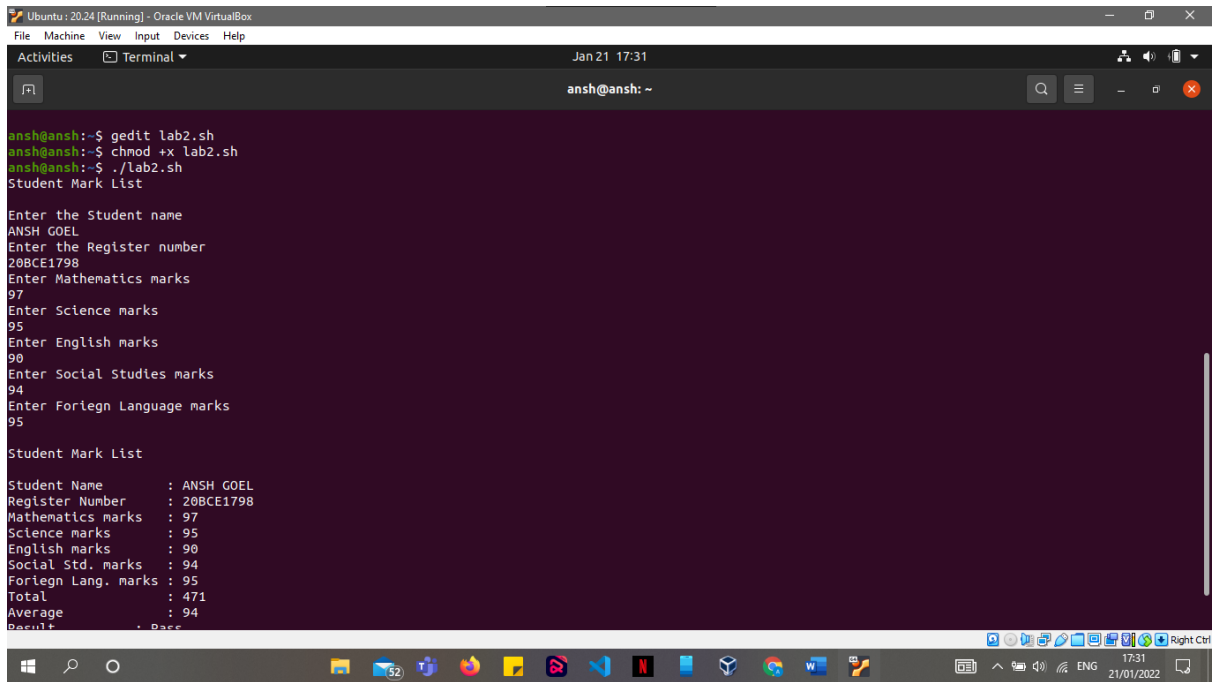
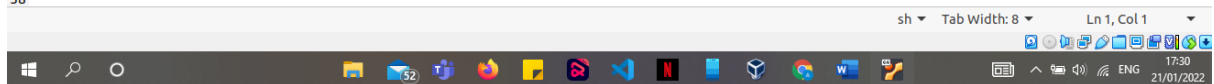
Ubuntu: 20.24 [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Activities Text Editor Jan 21 17:29
*lab2.sh
Save
1 echo 'Student Mark List'
2 echo
3 echo Enter the Student name
4 read Name
5 echo Enter the Register number
6 read Regno
7 echo Enter Mathematics marks
8 read m1
9 echo Enter Science marks
10 read m2
11 echo Enter English marks
12 read m3
13 echo Enter Social Studies marks
14 read m4
15 echo Enter Foriegn Language marks
16 read m5
17 tot=$(expr $m1 + $m2 + $m3 + $m4 + $m5)
18 avg=$(expr $tot / 5)
19 echo
20 echo 'Student Mark List'
21 echo
22 echo "Student Name      : $Name"
23 echo "Register Number    : $Regno"
24 echo "Mathematics marks    : $m1"
25 echo "Science marks         : $m2"
26 echo "English marks         : $m3"
27 echo "Social Std. marks     : $m4"
28 echo "Foriegn Lang. marks   : $m5"
29 echo "Total                 : $tot"
30 echo "Average               : $avg"
31 if [ $m1 -ge 35 ] && [ $m2 -ge 35 ] && [ $m3 -ge 35 ] && [ $m4 -ge 35 ] && [ $m5 -ge 35 ]
sh Tab Width: 8 Ln 1, Col 1 INS

```

```

32 then
33     echo "Result          : Pass"
34
35     if [ $avg -ge 90 ]
36     then
37         echo "Grade          : S"
38     elif [ $avg -ge 80 ]
39     then
40         echo "Grade          : A"
41     elif [ $avg -ge 70 ]
42     then
43         echo "Grade          : B"
44     elif [ $avg -ge 60 ]
45     then
46         echo "Grade          : C"
47     elif [ $avg -ge 50 ]
48     then
49         echo "Grade          : D"
50     elif [ $avg -ge 35 ]
51     then
52         echo "Grade          : E"
53     fi
54 else
55     echo "Result          : Fail"
56 fi
57 echo
58

```



## Student Mark List

Enter the Student name

ANSH GOEL

Enter the Register number

20BCE1798

Enter Mathematics marks

97

Enter Science marks

95

Enter English marks

90

Enter Social Studies marks

94

Enter Foriegn Language marks

95

## Student Mark List

Student Name : ANSH GOEL

Register Number : 20BCE1798

Mathematics marks : 97

Science marks : 95

English marks : 90

Social Std. marks : 94

Foriegn Lang. marks : 95

Total : 471

Average : 94

Result : Pass

Grade : S

ansh@ansh:~\$