

## 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 ]

```

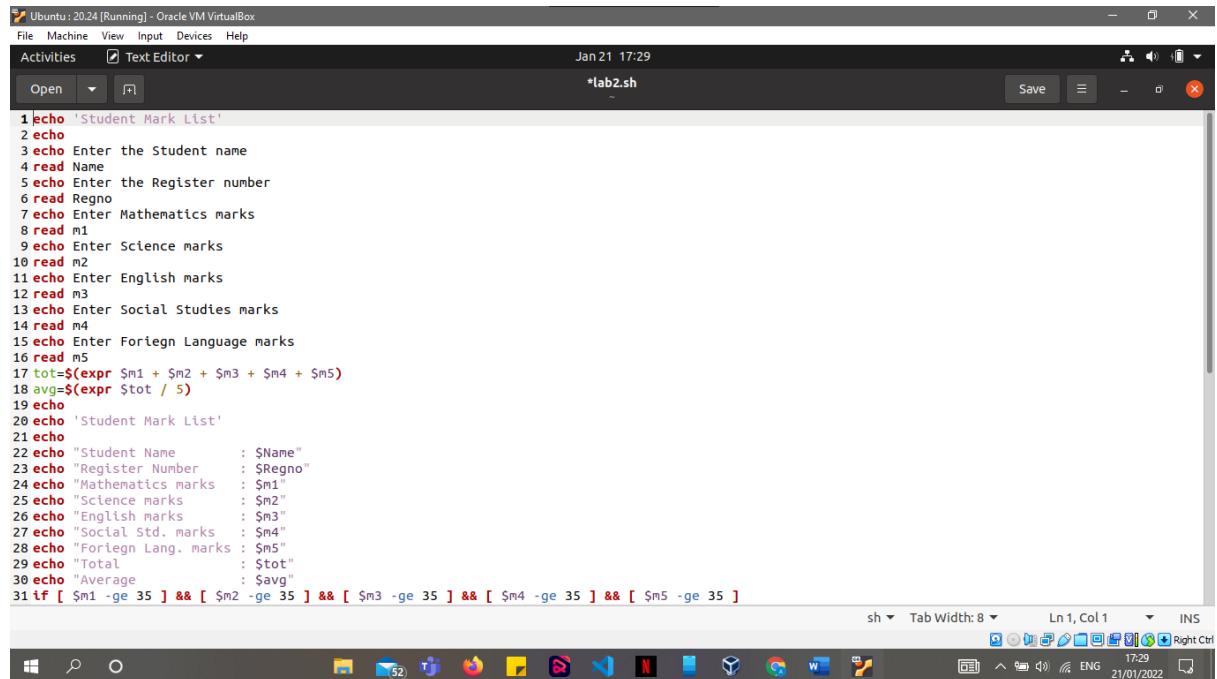
```

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:



```

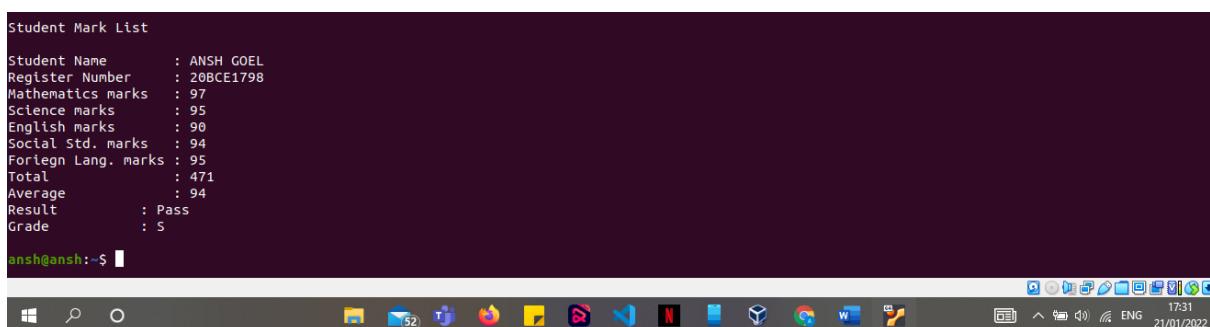
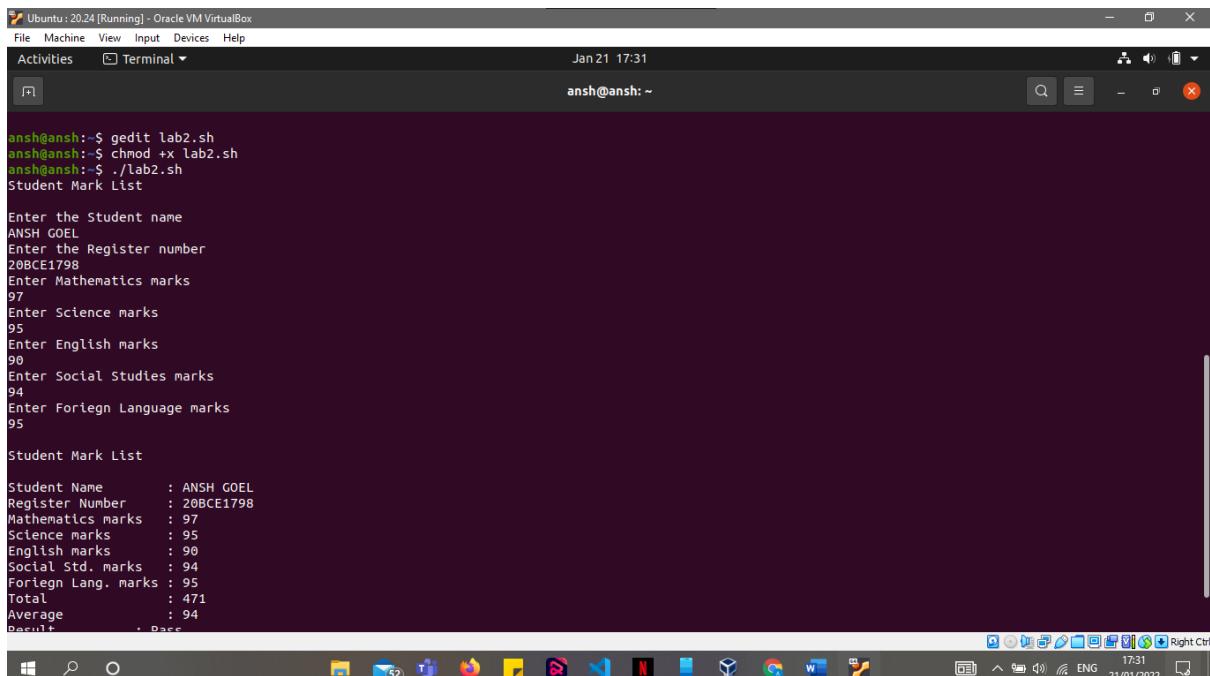
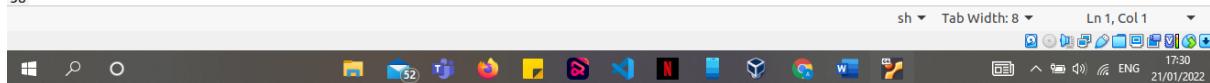
Ubuntu 20.04 LTS [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Activities Text Editor Jan 21 17:29
*lab2.sh
Save
Open
1 echo 'Student Mark List'
2 echo
3 echo Enter the Student name
4 read Name
5 echo Enter the Register number
6 read Regno
7 echo Enter Mathematics marks
8 read 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 Foreign 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 "Foreign 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 Foreign 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
Foreign Lang. marks : 95
Total             : 471
Average          : 94
Result            : Pass
Grade             : S

ansh@ansh:~$
```