

#### Program 14: Write a shell script to display the pass class of a student

```
GNU nano 3.2

#!/bin/sh
echo "Enter student details!"
echo "Name:\c"
read name
echo "USN:\c"
read usn
echo "Subject-1 marks:\c"
read m1
echo "Subject-2 marks:\c"
read m2
echo "Subject-3 marks:\c"
read m3
sum=$((m1+m2+m3))
avg=$((sum/3))
if [ $m1 -lt 50 ] || [ $m2 -lt 50 ] || [ $m3 -lt 50 ]
then echo "Fail!"
elif [ $avg -gt 90 ]
then echo "Distinction!"
elif [ $avg -gt 60 ]
then echo "First class!"
else echo "Second class!"
fi
```

```
bmsce@bmsce-Precision-T1700:~$ nano prog14.sh
bmsce@bmsce-Precision-T1700:~$ sh prog14.sh
Enter student details!
Name:Sanju
USN:1bm20cs213
Subject-1 marks:6
Subject-2 marks:78
Subject-3 marks:90
Fail!
bmsce@bmsce-Precision-T1700:~$ sh prog14.sh
Enter student details!
Name:Sanjana
USN:1bm20ec345
Subject-1 marks:98
Subject-2 marks:90
Subject-3 marks:99
Distinction!
bmsce@bmsce-Precision-T1700:~$
```

**Program 15: Write a shell script to count the number of vowels in a string**

```
GNU nano 3.2

#!/bin/sh
echo "Enter the string :\c"
read str
count=$(echo $str | grep -o -i "[aeiouAEIOU]" | wc --lines )
echo "Vowels Count : $count"
```

```
bmsce@bmsce-Precision-T1700:~$ nano prog15.sh
bmsce@bmsce-Precision-T1700:~$ sh prog15.sh
Enter the string :Areaaisverybig
Vowels Count : 6
bmsce@bmsce-Precision-T1700:~$
```