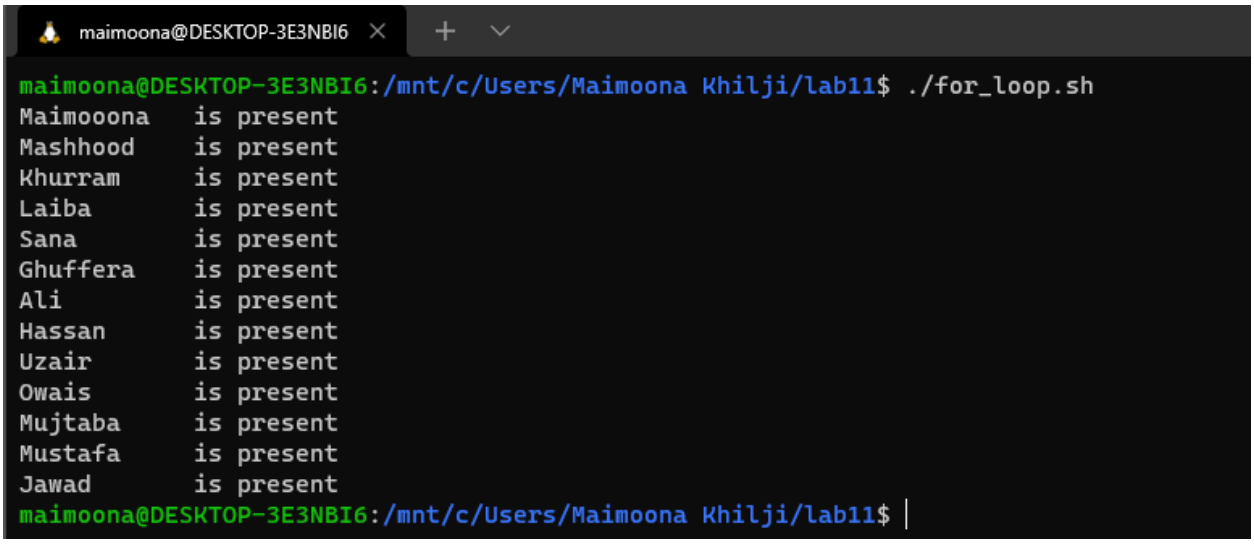
Name: Maimoona Khilji

Program: BS-Data Science

Operating System – Lab 12 & Lab 13

1. Write bash command for “for loop”.

```
for students in Maimooona Mashhood Khurram Laiba Sana Ghuffera Ali Hassan Uzair Owais Mujtaba Mustafa Jawad
do
    printf "%-10s %s\n" "$students"  " is present"
done
```



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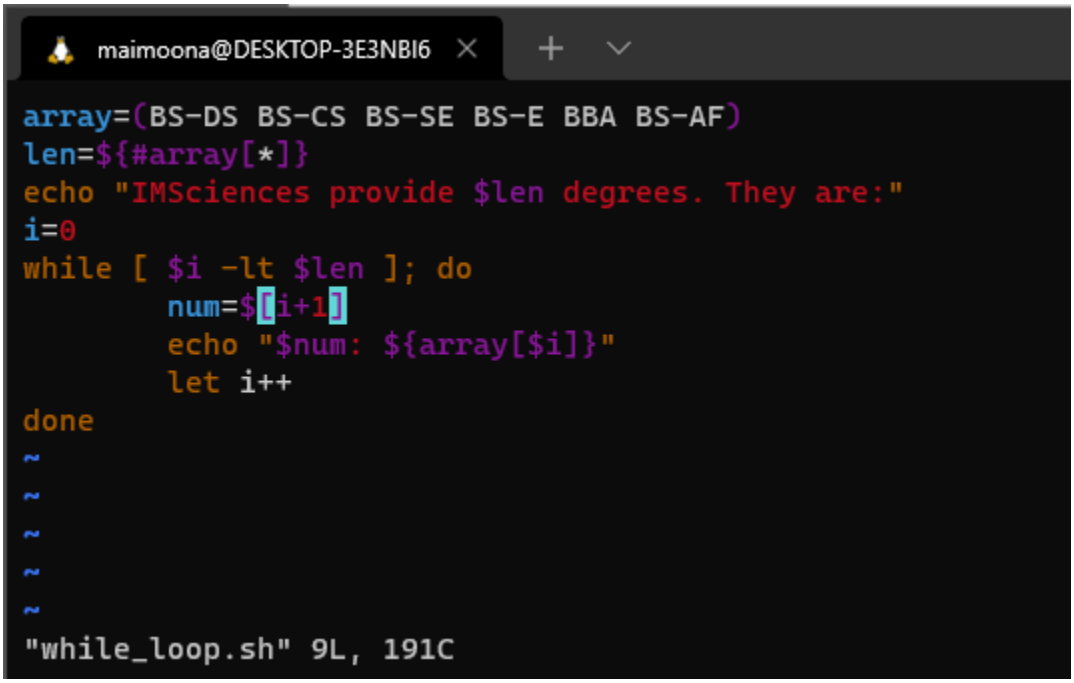
2. Write bash command for “While loop”.

```
array=(BS-DS BS-CS BS-SE BS-E BBA BS-AF)
len=${#array[*]}
echo "IMSciences provide $len degrees. They are:"
i=0
while [ $i -lt $len ];
do
        num=$[i+1]
        echo "$num: ${array[$i]}"
        let i++
done
```



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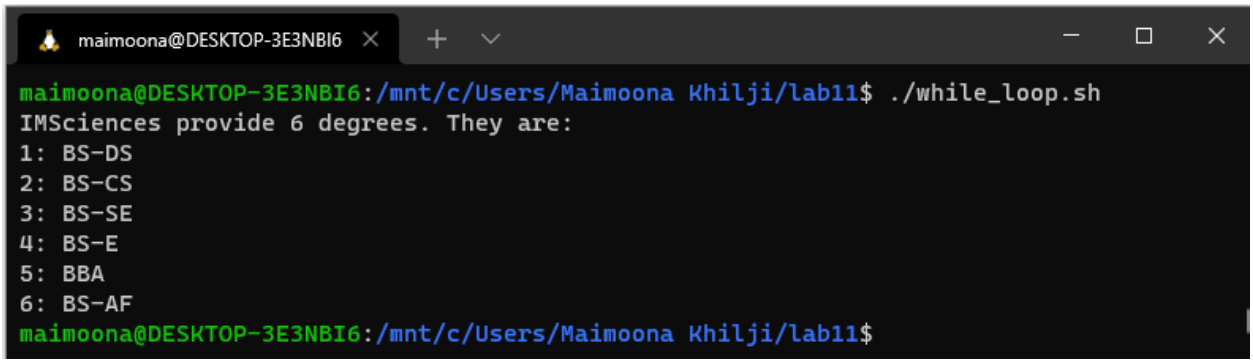
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