

Shell scripting

112103022

while loop

```
#echo Enter value of n:
read n
while [ $n -gt 0 ]
do
    echo $n
    n=$((expr $n - 1))
done
```

"whileloop" 7L, 82B

```
Last login: Mon Feb  6 12:10:31 on ttys000
utkarsha@Shubhams-MacBook-Air ~ % vi whileloop
utkarsha@Shubhams-MacBook-Air ~ % sh whileloop
Enter value of n:
3
3
2
1
utkarsha@Shubhams-MacBook-Air ~ % █
```

case

```

echo Enter value of a:
read a
echo Enter value of b:
read b
echo 1=Addition , 2=Subtraction
read choice
case $choice in
1) echo Addition= $(expr $a + $b) ;;
2) echo Subtraction= $(expr $a - $b) ;;
*) echo Enter 1 or 2
esac

```

"case" 11L, 224B

```
Last login: Mon Feb  6 12:23:07 on ttys000
utkarsha@Shubhams-MacBook-Air ~ % vi case
utkarsha@Shubhams-MacBook-Air ~ % sh case
Enter value of a:
2
Enter value of b:
3
1=Addition , 2=Subtraction
2
Subtraction= -1
utkarsha@Shubhams-MacBook-Air ~ % █
```

[illegible]

```
Last login: Mon Feb  6 12:25:44 on ttys000
utkarsha@Shubhams-MacBook-Air ~ % vi if
```

```
utkarsha@Shubhams-MacBook-Air ~ % sh if
Enter value of n
4
if: line 3: [: -: integer expression expected
4 is Negative
utkarsha@Shubhams-MacBook-Air ~ % vi if
utkarsha@Shubhams-MacBook-Air ~ % sh if
Enter value of n
4
4 is Positive
utkarsha@Shubhams-MacBook-Air ~ % █
```

if elif

```
% echo Enter value of a
read a
% echo Enter value of b
read b
% if [ $a -eq $b ]
% then
%   echo $a and $b are equal
% elif [ $a -gt $b ]
% then
%   echo $a is greater than $b
% else
%   echo $a is less than $b
% fi
```



```
last login: Mon Feb  6 12:30:31 on ttys000
utkarsha@Shubhams-MacBook-Air ~ % vi elif
utkarsha@Shubhams-MacBook-Air ~ % sh elif
Enter value of a
3
Enter value of b
5
3 is less than 5
utkarsha@Shubhams-MacBook-Air ~ % █
```