If else

```
echo ENter value for n:
read n
if [ $n -gt 0 ]
then
echo $n Positive number
else
echo $n Negative number
fi
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
```

```
asus@asus-ASUS-TUF-Gaming-F15-FX506LH-FX566LH:~$ vi simpleif
asus@asus-ASUS-TUF-Gaming-F15-FX506LH-FX566LH:~$ sh simpleif
ENter value for n:
45
45 Positive number
asus@asus-ASUS-TUF-Gaming-F15-FX506LH-FX566LH:~$ sh simpleif
ENter value for n:
-89
-89 Negative number
```

Nested if else:

```
echo Enter value for a:
read a
echo Enter value for 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
```

```
asus@asus-ASUS-TUF-Gaming-F15-FX506LH-FX566LH:~$ vi elseif
asus@asus-ASUS-TUF-Gaming-F15-FX506LH-FX566LH:~$ sh elseif
Enter value for a:
4
Enter value for b:
7
4 is less than 7
asus@asus-ASUS-TUF-Gaming-F15-FX506LH-FX566LH:~$
```

LOOP: While

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

~
~
```

```
asus@asus-ASUS-TUF-Gaming-F15-FX506LH-FX566LH:~$ chmod +x while.sh
asus@asus-ASUS-TUF-Gaming-F15-FX506LH-FX566LH:~$ ./while.sh
enter value for n:
10
10
9
8
7
6
5
4
3
2
1
asus@asus-ASUS-TUF-Gaming-F15-FX506LH-FX566LH:~$
```

Case statement:

```
echo enter value for a:
read a
echo enter value for b:
read b
echo enter 1 - Addition , 2 - Subtraction
read choice
case $choice in
1) echo Addition of $a and $b is $(expr $a + $b) ;;
2) echo Difference betweeen $a and $b is $(expr $a - $b) ;;
*) echo Enter either 1 or 2
esac



~
~
~
~
~
~
~
```

```
asus@asus-ASUS-TUF-Gaming-F15-FX506LH-FX566LH:~$ vi case
asus@asus-ASUS-TUF-Gaming-F15-FX506LH-FX566LH:~$ sh case
enter value for a:
23
enter value for b:
67
enter 1 - Addition , 2 - Subtraction
1
Addition of 23 and 67 is 90
asus@asus-ASUS-TUF-Gaming-F15-FX506LH-FX566LH:~$ sh case
enter value for a:
67
enter value for b:
34
enter 1 - Addition , 2 - Subtraction
2
Difference betweeen 67 and 34 is 33
asus@asus-ASUS-TUF-Gaming-F15-FX506LH-FX566LH:~$
```

Break statement

```
for i in $(seq 1 1 10)
do
if [ $i -eq 6 ]
then
break
fi
echo $i
done
~
```

```
asus@asus-ASUS-TUF-Gaming-F15-FX506LH-FX566LH:~$ vi break_for
asus@asus-ASUS-TUF-Gaming-F15-FX506LH-FX566LH:~$ sh break_for
1
2
3
4
5
asus@asus-ASUS-TUF-Gaming-F15-FX506LH-FX566LH:~$
```