

I ❤️ #!/bin/bash



## Module 5 : Excercise

Scripts :

### Scripts :

Lets see a simple script from what we learnt so far.

- ☐ Implement for loop with break statement
- ☐ Implement for loop with continue statement
- ☐ Implement while loop
- ☐ Implementing if statement
- ☐ Implementing if.else statement
- ☐ Implement nested loop
- ☐ Implementing switch statement

**#Implement for loop with break statement**

```
#!/bin/bash
#Start of for loop
for a in 1 2 3 4 5 6 7 8 9 10
do
    # if a is equal to 5 break the loop
    if [ $a == 5 ]
    then
        break
```

```
fi
# Print the value
echo "iteration no $a"
done
```

### Output :

```
iteration no 1
iteration no 2
iteration no 3
iteration no 4
```

### #Implement for loop with continue statement

```
#!/bin/bash
#Start of for loop
for a in 1 2 3 4 5 6 7 8 9 10
do
    # if a is equal to 5 break the loop
    if [ $a == 5 ]
    then
        continue
    fi
    # Print the value
    echo "iteration no $a"
done
```

### Output :

```
iteration no 1
iteration no 2
iteration no 3
iteration no 4
iteration no 6
iteration no 7
iteration no 8
iteration no 9
iteration no 10
```

### #Implement while loop

```
#!/bin/bash
a=0
```

```
# -lt is less than operator

#Iterate the loop until a less than 10
while [ $a -lt 10 ]
do
    # Print the values
    echo $a

    # increment the value
    a=`expr $a + 1`
done
```

### Output :

```
0
1
2
3
4
5
6
7
8
9
```

### #Implementing if statement

```
#!/bin/bash
#Initializing two variables
a=10
b=10

#Check whether they are equal
if [ $a == $b ]
then
    echo "a is equal to b"
fi

#Check whether they are not equal
if [ $a != $b ]
then
    echo "a is not equal to b"
fi
```

### Output :

```
a is not equal to b
```

## #Implementing if.else statement

```
#!/bin/bash
#Initializing two variables
a=20
b=20

if [ $a == $b ]
then
    #If they are equal then print this
    echo "a is equal to b"
else
    #else print this
    echo "a is not equal to b"
fi
```

### Output :

```
a is equal to b
```

## # Implement nested loop

```
#!/bin/bash
echo "1.Unix"
echo "2.Linux"
echo -n "select your os choice [1 or 2]?"
read os
if [ $os -eq 1 ] ; then
    echo "You picked Unix"
else

if [ $os -eq 2 ] ; then
    echo "you picked Linux"
else
    echo "Looks like you don't like Linux/Unix os.."
fi
fi
```

### Output :

```
1.Unix
2.Linux
```

```
select your os choice [1 or 2]?2  
you picked Linux
```

## #Implementing switch statement

```
#!/bin/bash  
CARS="bmw"  
  
#Pass the variable in string  
case "$CARS" in  
    #case 1  
    "mercedes") echo "Headquarters - Affalterbach, Germany" ;;  
  
    #case 2  
    "audi") echo "Headquarters - Ingolstadt, Germany" ;;  
  
    #case 3  
    "bmw") echo "Headquarters - Chennai, Tamil Nadu, India" ;;  
esac
```

## Output :

```
Headquarters - Chennai, Tamil Nadu, India
```