shellscriptclass

IF CONDITION SYNTAX

```
if [[condition]
then
<block>
fi

if [[condition]]
then
<block>
elif [[condition]]
then
<block>
fi

if [[condition]]
then
<block>
elif [[condition]]
then
<block>
elif [[condition]]
then
<block>
else
<STATEMENT>
fi
```

=~ =====> matches condition
== ===> string condition matches(if both strings are equal)
!= ====> string doesnt matches
-eq ===> check whether input number is equal
-gt ===> input number is greater than
-lt ===> input number is lesser than
-ge ===> greaterthan or equal
-ne ===> not equal
-le ==> lesser than or equal

Script to check palindrome or not

```
#!/bin/bash
echo "Enter the user input"
read p
echo $p
revout=$(echo $p|rev)
if [[ $p == $revout ]]
then
echo "String $p is palindrome"
else
echo "String $p is not palindorme"
fi
```

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Script used to check whether user input is "prveen"

```
#!/bin/bash
echo "Enter the input"
read  a
if [[ $a == "praveen" ]]
then
echo -e "Entered input is $a\n its true"
else
echo -e "its false"
fi
```

Script used to check whether user input is Praveen or Praveen or ajay or AJAY

```
#!/bin/bash
echo "Enter the input"
read  a
if [[ $a == "praveen" ]] || [[ $a == "PRAVEEN" ]]
then
echo -e "Entered input is $a\n its true"
elif [[ $a == "ajay" ]] || [[ $a == "AJAY" ]]
then
echo "Its partially true"
else
echo -e "its false"
fi
```

Script used to check whether user input is Praveen or Praveen or ajay or AJAY

```
#!/bin/bash
echo "Enter the input"
read  a
if [[ $a == "praveen" ]] || [[ $a == "PRAVEEN" ]]|| [[ $a == "ajay" ]] || [[ $a == "AJAY" ]]
then
echo "Entered input is $a and its true"
else
echo -e "its false"
fi
```

```
#!/bin/bash
echo "Enter the number1"
read n1
echo "Enter the number2"
read n2
if [[ $n1 -eq $n2 ]]
then
echo "Both number are same"
elif [[ $n1 -gt $n2 ]]
then
echo "Number $n1 is greater than $n2"
echo "Enter the number to be added"
read u
```

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```
elif [[ $n1 -lt $n2 ]]
then
echo "Number $n1 is lesser than $n2"
echo "Enter the number to be subtracted"
read u
n3=$(($n1-$n2-$u))
echo "Final output subtraction  of $u to $n1 and $n2 is $n3"
uname
else
echo "Not satisfied with any condition"
who
fi
```

Calculator script

press '1' for addition for 2 numbers
'2' for subtraction of n2 from n1(n1-n2)
'3' mutltiplication (n1*n2)
'4' division (n1/n2)

```
#!/bin/bash
echo "Enter the Number"
read n1
echo "Enter the number"
read n2
echo -e "Enter '1' for addition\n'2' for subtraction\n '3' for multiplication\n'4' for division"
read usr
if [[ $usr -eq 1 ]]
then
n3=$(( $n1+$n2 ))
echo "Addition output is $n3"
elif [[ $usr -eq 2 ]]
then
n3=$(( $n1-$n2 ))
echo "Subratioon output is $n3"
elif [[ $usr -eq 3 ]]
then
n3=$(( $n1*n2 ))
echo "Multiplication output is $n3"
elif [[ $usr -eq 4 ]]
then
n3=$(( $n1/$n2 ))
echo "Division output is $n3"
fi
[root@praveen_Linux tmp]# sh calculator.sh
Enter the Number
20
Enter the number
30
Enter '1' for addition
'2' for subtraction
 '3' for multiplication
'4' for division
2
Subratioon output is -10
[root@praveen_Linux tmp]# sh calculator.sh
```

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13
Enter '1' for addition
'2' for subtraction
'3' for multiplication
'4' for division
3
Multiplication output is 2639
[root@praveen_Linux tmp]# sh calculator.sh
Enter the Number
34
Enter the number
12
Enter '1' for addition
'2' for subtraction
'3' for multiplication
'4' for division
4
Division output is 2

---

create script to check even or odd based on below condition
if n1 > n2 ===> chck n1 is even number or not
if n1 <n2 ===> check n2 is even numver or noy
if n1 == n2 add number as per user input

```
#!/bin/bash
echo "Enter the number1"
read n1
echo "Enter the number2"
read n2
if [[ $n1 -gt n2 ]]
then
if [[ $n1%2 -eq 0 ]]
then
echo "$n1 is even and $n1 is greater than $n2"
fi
elif [[ $n1 -lt $n2 ]]
then
if [[ $n2%2 -eq 0 ]]
then
echo "$n2 is even and $n1 lesser than $n2"
fi
elif [[ $n1 -eq $n2 ]]
then
echo "Enter the number to be added"
read n3
n4=$(($n1+$n2+$n3))
echo "Addition of $n1 and $n2  and $n3 is $n4"
else
echo "Invalid input"
fi
```

output

```
[root@praveen_Linux tmp]# sh test_even_odd.sh
Enter the number1
```

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40 is even and 40 is greater than 10
[root@praveen_Linux tmp]# sh test_even_odd.sh
Enter the number1
10
Enter the number2
40
40 is even and 10 lesser than 40
[root@praveen_Linux tmp]# sh test_even_odd.sh
Enter the number1
30
Enter the number2
30
Addition of 30 and 30 and 50 is 110
[root@praveen_Linux tmp]# vim test_even_odd.sh
[root@praveen_Linux tmp]# sh test_even_odd.sh
Enter the number1
12
Enter the number2
12
Enter the number to be added
50
Addition of 12 and 12 and 50 is 74
---

a. Script will take 2 inputs
b. count of characters of input1 greater than count of chatcrer of input2 perform one operation and viceversa

```
#!/bin/bash
echo "Enter the input1"
read a
echo "Enter the input2"
read b
coa=$(echo $a |wc -c)
cob=$(echo $b |wc -c)
if [[ $coa -gt $cob ]]
then
ou="$a$b"
sum_of_chart=$(($coa+$cob))
echo -e "Count of characters of input $a is greater than count of charater of input $b  and combined output  of $a and $b is $ou\n Count of characters of $a and$b is $sum_of_chart"

elif [[ $cob -gt $coa ]]
then
echo "Enter another user input"
read c
coc=$(echo $c|wc -c)
ou="$a$b$c"
sum_di_cha=$(($coa-$cob+$coc))
echo -e "Count of characters of input $b is greater than count of charater of input $a  and combined output  of $a and $b  and $c is $ou\n Count of character in $a is $coa\nCount of character in $b is $cob\nCount of charcters  $a and $b and subtract $c is $sum_di_cha"
elif [[ $coa -eq $cob ]]
then
echo -e "Count of characters of $a and $b is same"
if [[ $a == $b ]]
then
echo "Both input $a and $b is same"
```

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```
groupadd $a
grep $b /etc/group >> /tmp/$a

echo "Verification of user and group details"
cat /tmp/$a
elif [[ $a != $b ]]
then
echo "Enter the input to be checked in $a"
read con
col=$(echo $a |grep $con|wc -l)
if [[ $col -gt 0 ]]
then
echo "$con present in input $a"
else
echo "$con not present in input $a"
fi
fi

fi
```

For loop syntax

cstyle

```
 for ((intializaton;condition;increment/decrement))
{
<block of statement>
}
```

Unix/Linux style

```
for ((intializaton;condition;increment/decrement))
do
<block of stattment>
```

```
#!/bin/bash
for((i=1;i<=20;i++))
do
echo $i
done
```

```
[root@praveentechnoligies ~]# sh for_loop.sh
1
2
3
4
5
6
7
8
9
10
11
12
13
```

17
18
19
20

To check even or odd number between 1 to 20

```
#!/bin/bash
for((i=1;i<=20;i++))
do
if [[ $i%2 -eq 0 ]]
then
echo "Number $i is even"
fi
done
```

Number 2 is even
Number 4 is even
Number 6 is even
Number 8 is even
Number 10 is even
Number 12 is even
Number 14 is even
Number 16 is even
Number 18 is even
Number 20 is even

To check odd numbers

```
#!/bin/bash
for((i=1;i<=20;i++))
do
if [[ $i%2 -ne 0 ]]
then
echo "Number $i is odd"
fi
```

Number 1 is odd
Number 3 is odd
Number 5 is odd
Number 7 is odd
Number 9 is odd
Number 11 is odd
Number 13 is odd
Number 15 is odd
Number 17 is odd
Number 19 is odd

```
#!/bin/bash
for((i=1;i<=20;i++))
do
if [[ $i%2 -ne 0 ]]
then
echo "Number $i is odd"
```

fi
done

output..

Number 1 is odd
Number 2 is even
Number 3 is odd
Number 4 is even
Number 5 is odd
Number 6 is even
Number 7 is odd
Number 8 is even
Number 9 is odd
Number 10 is even
Number 11 is odd
Number 12 is even
Number 13 is odd
Number 14 is even
Number 15 is odd
Number 16 is even
Number 17 is odd
Number 18 is even
Number 19 is odd
Number 20 is even

---

a. check wthetr numiber is even or odd
b. if number is odd check wther number is divisable by even input number or not

```
#!/bin/bash
echo "enter the number"
read p
for ((i=0;i<=20;i++))
do
if [[ $i%2 -eq 0 ]]
then
echo "$i is even"
uptime
else
echo "$i is odd"
if [[ $i%$p -eq 0 ]]
then
echo "$i is odd and its completely divisable by $p"
who -r
else
echo "$i is odd and its not completely divisable by $p"
fi
fi
echo "====================================="
done
```

Jumping number as per input range

```
#!/bin/bash
echo "Enter the Jump range"
```

shellscriptclass

```
do
echo $i
j=$(($i+$p-1))
i=$j
done
```

To check particular content or not present in list of files

```
#!/bin/bash
for fil in y.txt io.txt tt.txt
do
for con in "praveen" "sanath" "dhanraj" "abhi" "kiran"
do
col=$(grep $con $fil|wc -l)
if [[ $col -gt 0 ]]
then
lin=$(grep -in $con $fil|cut -d ":" -f1)

echo "$con present in $fil in line number  $lin"
else
echo "$con not present in $fil"
fi
done
echo "===========End of file $fil========================="
done
```

To Check which line contains maximumc character

```
#!/bin/bash
j=0
cof=0
for i in $(cat file.txt)
do
j=$(($j+1))
coc=$(echo $i|wc -c)
if [[ $coc -gt $cof ]]
then
lin=$j
cof=$coc
con=$i
fi
echo "=================="
done


echo -e  "Line number $lin Contains $cof characters in the content\n$con"
```

To check whether input is number or not

if input is number then it should number is even or not

=~ =====> matches condition

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```
if [[ $n =~ ^[0-9]+$ ]]
then
if [[ $n%2 -eq 0 ]]
then
echo "Number $n is even"
else
echo "Number $n is odd"
fi
else
echo "Invalid input"
fi



[root@praveentechnoligies ~]# sh testkk.sh
Enter the input
4
Invalid input
[root@praveentechnoligies ~]# vim testkk.sh
[root@praveentechnoligies ~]# sh testkk.sh
Enter the input
100
Number 100 is even
[root@praveentechnoligies ~]# sh testkk.sh
Enter the input
4
Number 4 is even
[root@praveentechnoligies ~]# sh testkk.sh
Enter the input
22
Number 22 is even
[root@praveentechnoligies ~]# sh testkk.sh
Enter the input
2222222222222222222222222222222222222222222222222222
Number 2222222222222222222222222222222222222222222222222222 is even
[root@praveentechnoligies ~]# vim testkk.sh
[root@praveentechnoligies ~]# sh testkk.sh
Enter the input
praveen
Invalid input
[root@praveentechnoligies ~]#

--------------------------------------------------------------------------------

#!/bin/bash
for i in 10 20 30 45 78 praveen
do
if [[ $i =~ ^[0-9]+$ ]]
then
if [[ $i%2 -ne 0 ]]
then
echo "Number $i is odd"
elif [[ $i%2 -eq 0 ]]
then
echo "Number $i is even"
fi
else
echo "Invalid input"
```

shellscriptclass

Number 10 is even
Number 20 is even
Number 30 is even
Number 45 is odd
Number 78 is even
Invalid input

```
#!/bin/bash
for ((i=1;i<=200;i++))
do
i=$(($i+3))
echo $i
done
```

Increment number by 4.

```
[root@praveentechnoligies ~]# sh fortest22.sh |more
4
8
12
16
20
24
28
32
36
40
44
48
52
56
60
64
68
72
76
80
```

Cut command is used to seperate with delimitter

```
[root@praveentechnoligies ~]# echo "praveen:ajay:san"
praveen:ajay:san
```

Here ":" is seperator

```
[root@praveentechnoligies ~]# echo "praveen:ajay:san" |cut -d ":" -f1
praveen
```

-f1 ==> first field

```
[root@praveentechnoligies ~]# echo "praveen:ajay:san" |cut -d ":" -f2
ajay
```

-f2 ===> second field

```
[root@praveentechnoligies ~]# echo "praveen:ajay:san" |cut -d ":" -f3
san
```

shellscriptclass

10:ajay:san
20:kiran:abhi
50:besant:niit

Condition display first and third column if first column is greater than 15

```
#!/bin/bash
for i in $(cat file.txt)
do
firscolumn=$(echo $i|cut -d ":" -f1)
if [[ $firscolumn -gt 15 ]]
then
thirdcolumn=$(echo $i|cut -d ":" -f3)
echo "$firscolumn $thirdcolumn"
fi
done
```

output

```
[root@praveentechnoligies ~]# sh test25.sh
20 abhi
50 niit
```

---

cat file2.txt

```
praveen:ajay:san
ajay:kiran:praveen
besant:san:praveen:niit
```

```
#!/bin/bash
echo "Enter the field number"
read spenum
for i in $(cat file2.txt)
do
filerange=$(echo $i|cut -d ":" -f$spenum)
#secon=$(echo $i|cut -d ":" -f2)
#thitd=$(echo $i|cut -d ":" -f3)
#firt=$(echo $i|cut -d ":" -f4)
if [[ $filerange == "praveen" ]]
then
echo "Praveen exsists in $spenum filed"
echo $i
fi
done
```

output

```
[root@praveentechnologies Weekendlinux]# sh conte_ftech.sh
Praveen exsists in third field
ajay:kiran:praveen
```

shellscriptclass

```
[root@praveentechnologies Weekendlinux]# sh conte_ftech.sh
Enter the field number
4
Praveen exsists in 4 filed
hemanth:sunil:vishwananth:praveen:aws
```

Script used to display the Line where maximum columns or words are present with line number

cat file.txt

```
ajay:kiran:san
abhi:ajay:kiran:niran
niit:ajay:besant:qspiders:niit:sriram:sampreeth
ajay:kiran:san
joy:fun:besant:bhaskar:ajay
```

```
#!/bin/bash
j=0
n=0
for i in $(cat file.txt)
do
n=$(($n+1))
k=$(echo $i|sed "s/:/ /g"|wc -w)
if [[ $k -gt $j ]]
then
j=$k
line=$i
linenumber=$n
fi
done
echo "Max words present $j in line number $linenumber ===> Line content $line"
```

output

```
[root@praveentechnoligies ~]# sh highestwordcount.sh
Max words present 7 in line number 3 ===> Line content niit:ajay:besant:qspiders:niit:sriram:sampreeth
```

To find all user whose userid greater than 700

```
#!/bin/bash
for usr in $(cat /etc/passwd)
do
uid=$(echo $usr|cut -d ":" -f3)
username=$(echo $usr|cut -d ":" -f1)
homedir=$(echo $usr|cut -d ":" -f6)
if [[ $uid -gt 700 ]]
then
echo "$uid $username $homedir"
fi
done
```

---

shellscriptclass

[root@praveentechnoligies ~]# cat > file2.txt
praveen
ajay
san
kiran
praveen ajay san praveen kiran
praveen ajay praveen kiran praveen praveen

[root@praveentechnoligies ~]# sed "s/praveen/besant/g" file2.txt (===> here we replacing praveen with besant only for displaying purpose buthere is no change in orginal file)
besant
ajay
san
kiran
besant ajay san besant kiran
besant ajay besant kiran besant besant

[root@praveentechnoligies ~]# cat file2.txt ===> No change in file
praveen
ajay
san
kiran
praveen ajay san praveen kiran
praveen ajay praveen kiran praveen praveen

[root@praveentechnoligies ~]# sed "s/praveen/besant/g" file2.txt >file2_sed.txt (==> after replacement we are saving o/p to file file2_sed.txt but there is no chnage in orginal file)
[root@praveentechnoligies ~]# cat file2.txt
praveen
ajay
san
kiran
praveen ajay san praveen kiran
praveen ajay praveen kiran praveen praveen

[root@praveentechnoligies ~]# cat file2_sed.txt
besant
ajay
san
kiran
besant ajay san besant kiran
besant ajay besant kiran besant besant

Replace all praveen with besant occurs in 5th line
[root@praveentechnoligies ~]# sed "5s/praveen/besant/" file2.txt
praveen
ajay
san
kiran
besant ajay san praveen kiran
praveen ajay praveen kiran praveen praveen

Replace all praveen with besant in all lines in file

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san
kiran
besant ajay san praveen kiran
besant ajay praveen kiran praveen praveen

Replace second occurence of praven with besant only in 5th line
[root@praveentechnoligies ~]# sed "5s/praveen/besant/2" file2.txt
praveen
ajay
san
kiran
praveen ajay san besant kiran
praveen ajay praveen kiran praveen praveen

Replace second occurence of praven with besant only in all lines
[root@praveentechnoligies ~]# sed "s/praveen/besant/2" file2.txt
praveen
ajay
san
kiran
praveen ajay san besant kiran
praveen ajay besant kiran praveen praveen
[root@praveentechnoligies ~]#

Replace all praveen from 2nd occurence in 6th file.
[root@praveentechnoligies ~]# sed "6s/praveen/besant/2g" file2.txt
praveen
ajay
san
kiran
praveen ajay san praveen kiran
praveen ajay besant kiran besant besant
[root@praveentechnoligies ~]#

```
#!/bin/bash
echo "Enter the field number"
read fe
echo "Enter the content to be checked"
read con1
linenumber=0
for con in $(cat f1.txt)
do
linenumber=$(($linenumber+1))

filed_con=$(echo $con|cut -d ":" -f$fe)
if [[ $filed_con == $con1 ]]
then
echo "$con Line number is $linenumber"
#linenumber=$(($linenumber+1))
fi
done
```

cat f1.txt
praveen:ajay:sunil

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kiran:ian:praveen:san
hari:kiran:san:praveen:niit

output

[root@praveentechnologies script]# sh testscript.sh
Enter the field number
2
Enter the content to be checked
sunil
sriram:sunil:praveen Line number is 3
ajay:sunil:besant Line number is 4
==========

[root@praveentechnoligies ~]# cat file2.txt
praveen
ajay
san
kiran
praveen ajay san praveen kiran
praveen ajay praveen kiran praveen praveen

Delete line where praveen exsists just for displaying there wont be any change in orginal file
[root@praveentechnoligies ~]# sed '/praveen/d' file2.txt
ajay
san
kiran

Delete line where praveen exsists and save o/p to another file
[root@praveentechnoligies ~]# sed '/praveen/d' file2.txt >file2_del.txt
[root@praveentechnoligies ~]# cat file2_del.txt
ajay
san
kiran

To delete the second line
[root@praveentechnoligies ~]# sed '2d' file2.txt
praveen
san
kiran
praveen ajay san praveen kiran
praveen ajay praveen kiran praveen praveen

---

delete from second to fifth line
[root@praveentechnoligies ~]# sed '2,5d' file2.txt
praveen
praveen ajay praveen kiran praveen praveen

To dleete last line in file

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san
kiran
praveen ajay san praveen kiran
[root@praveentechnoligies ~]#

---
delete next 2 line when praveen content found.

[root@praveentechnoligies ~]# sed '/praveen/,+2d' file2.txt
kiran
[root@praveentechnoligies ~]#

To delete the line where in whole line only praveen exists

[root@praveentechnoligies ~]# sed '/^praveen$/d' file2.txt
ajay
san
kiran
praveen ajay san praveen kiran
praveen ajay praveen kiran praveen praveen
---

dlete the line where line starts with praveen
[root@praveentechnoligies ~]# sed '/^praveen/d' file2.txt
ajay
san
kiran
ajay praveen
---

delete the line where line ends with praveen

[root@praveentechnoligies ~]# sed '/praveen$/d' file2.txt
ajay
san
kiran
praveen ajay san praveen kiran

Here we replace praveen with besant in orginal file itself

sed -i "s/praveen/besant/g" file2.txt

output

[root@praveentechnoligies ~]# cat file2.txt
besant
ajay
san
kiran
besant ajay san besant kiran
besant ajay besant kiran besant besant

now we can see exsisting file praveen got replaced with besant

==========
[root@praveentechnologies script]# cat file55.txt

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kiran praveen ajay praveen abhi praveen jjj praveen ooo praveen
balaji praveen sunil kiran praveen
kiran praveen
san praveen
praveen ajay abhi

[root@praveentechnologies script]# sed "4s/praveen.*/sunil/g" file55.txt
praveen
praveen ajay praveen
ajay praveen san
kiran sunil
balaji praveen sunil kiran praveen
kiran praveen
san praveen
praveen ajay abhi

In 4th file from praveen content till end of line getting replaced with sunil

---
praveentechnologies script]# sed "4s/.*/sriram/g" file55.txt
praveen
praveen ajay praveen
ajay praveen san
sriram
balaji praveen sunil kiran praveen
kiran praveen
san praveen
praveen ajay abhi

Complete 4th line getting replaced with sriram

==========

sed "4s/praveen.*abhi/sunil/" file55.txt
praveen
praveen ajay praveen
ajay praveen san
kiran sunil praveen jjj praveen ooo praveen
balaji praveen sunil kiran praveen
kiran praveen
san praveen
praveen ajay abhi

In 4th line from praveen till abhi getting replaced with sunil
---

[root@praveentechnologies script]# sed "2s/.*/& sriram sunil/g" file55.txt
praveen
praveen ajay praveen sriram sunil
ajay praveen san
kiran praveen ajay praveen abhi praveen jjj praveen ooo praveen
balaji praveen sunil kiran praveen
kiran praveen
san praveen
praveen ajay abhi

Here we are replacing complete second line with adding replaced content with sriram and sunil

shellscriptclass

Here we passing input while running the script

$0 ===> scriptname
$1 ==> first input
$2 ===> second input
$3 ===> Third input
$# ====> Total Number of input passed

```
#!/bin/bash
echo "Scriptname is $0"
echo "First input is $1"
echo "Second input is $2"
echo "Third input is $3"
echo "Total Number of input passed is $#"

a=$1
b=$2
c=$3
d=$(($a+$b+$c))
echo "Sum of Input $a and $b and $c is $d"
```

output

```
t@praveentechnoligies ~]# sh test333.sh  100 200 1000
Scriptname is test333.sh
First input is 100
Second input is 200
Third input is 1000
Total Number of input passed is 3
Sum of Input 100 and 200 and 1000 is 1300
[root@praveentechnoligies ~]#
```

==========

To fnd which column string exists

```
#!/bin/bash
IFS=$'\n'
lin=0
echo "Enter the content to be checked"
read con
for i in $(cat file.txt)
do
lin=$(($lin+1))
cow=$(echo $i |wc -w)
for ((j=1;j<=$cow;j++))
do
contc=$(echo $i | cut -d " " -f$j)
if [[ $contc == $con ]]
then
echo "Content $con present in  field  $j in line number $lin"
else
echo "Content $con not present in field $j in line number $lin"
fi
done
done
```

==========

shellscriptclass

```
for proces in "firefox" "dict"
do
col=$(ps -eaf |grep $proces |wc -l)
if [[ $col -gt 1 ]]
then
echo "Process $proces is running and below are process details"
ps -eaf | grep $proces
echo -e "Enter yes to stop process"
read opt
if [[ $opt == "yes" ]]
then
echo "User confirmed to kill process $proces"
pkill $proces
col_pos_kill=$(ps -eaf |grep $proces|wc -l)
if [[ $col_pos_kill -eq 1 ]]
then
echo "Process $proces got killed successfully post user confirmation"
else
echo "Process $proces not killed successfully Now process need to kill forcefully based on user
confirmation"
read opt1
if [[ $opt1 == "yes" ]]
then
pkill -9 $proces
colw=$(ps -eaf |grep $proces|wc -l)
if [[ $colw -eq 1 ]]
then
echo "Perocess $proces got killed forcefully"
else
echo "Process $proces not killed "
fi
fi
fi
else
echo "User not confirmed to kill the process $proces"
fi

else
echo "Process $proces is not running"
fi
echo "==============End of details of process $proces==================="
done
```

==========

How to check service is running or not

```
#!/bin/bash
for i in "crond" "vsftpd"
do
col=$(service $i status |grep "running"|wc -l)
if [[ $col -gt 0 ]]
then
echo "Service $i is running"
else
echo "Service $i is not running"
echo "Enter 'yes'  to start service $i"
read se
```

shellscriptclass

```
service $i start
cos=$(service $i status |grep "running"|wc -l)
if [[ $cos -gt 0 ]]
then
echo "Service $i started successfully"
else
echo "Service $i not started due to permission issue or any others"
fi
else
echo "User not confirmed to start service $i"
fi
fi
done
```