

Shell variable

```
root@PRATIK: /home
#!/bin/bash
var1 = Infobell
var2 = IT
echo "$var1 $var2"
~
~
~
~
~
~
~
```

```
root@PRATIK: /home
root@PRATIK:/home# chmod +x pratik.sh
root@PRATIK:/home# ./pratik.sh
Infobell IT
root@PRATIK:/home# vi read
root@PRATIK:/home# chmod +x read
root@PRATIK:/home# ./read
Enter Your Name
Pratik
Pratik
root@PRATIK:/home# vi read
root@PRATIK:/home# ./read
Enter Your Name :
pratik
your name is pratik
root@PRATIK:/home#
```

Shell if then else

```
root@PRATIK: /home
#!/bin/bash
echo "Enter your age : "

read age

if [ "$age" -ge 18 ]; then
    echo "You are eligible to vote"
else
    echo "You are not ready yet"
fi

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~
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~
~
```

```
root@PRATIK: /home
root@PRATIK:/home# chmod +x if_else.sh
root@PRATIK:/home# ./if_else.sh
Enter your age :
50
You are eligible to vote
root@PRATIK:/home#
```

Shell Scripting if then elif

```
root@PRATIK: /home
#!/bin/bash
echo "choose colors from red green blue orange "

read color

if [ $color == red ]
then
    echo "You are cheerful"

elif [ $color == blue ]
then
    echo "You love Sky and doraemon"
else
    echo "Colorless"
fi

~
```

```
root@PRATIK:/home#
root@PRATIK:/home# vi if_elif.sh
root@PRATIK:/home# chmod +x if_elif.sh
root@PRATIK:/home# ./if_elif.sh
choose colors from red green blue orange
red
You are cheerful
root@PRATIK:/home# vi if_elif.sh
root@PRATIK:/home# _
```

Shell Scripting for loop

```
root@PRATIK: /home
#!/bin/bash

echo "Enter the number"
read n

for((i=1; i<=n; i++))
do
    for((j=1; j<=i; j++))
    do
        echo -ne $j " "
    done
    echo
done_
```

```
root@PRATIK: /home
root@PRATIK:/home# chmod +x for_loop.sh
root@PRATIK:/home# ./for_loop.sh
Enter the number
10
1
1 2
1 2 3
1 2 3 4
1 2 3 4 5
1 2 3 4 5 6
1 2 3 4 5 6 7
1 2 3 4 5 6 7 8
1 2 3 4 5 6 7 8 9
1 2 3 4 5 6 7 8 9 10
root@PRATIK:/home#
```

Shell Scripting while loop

```
root@PRATIK: /home
i=1

while [ $i -le 10 ]
do
    echo $i
    i=$((i+1))
done
~
~
~
```

```
root@PRATIK: /home
root@PRATIK:/home# chmod +x while.sh
root@PRATIK:/home# ./while.sh
1
2
3
4
5
6
7
8
9
10
root@PRATIK:/home# vi while.sh
root@PRATIK:/home# _
```

Bash Functions

```
root@PRATIK: /home
#!/bin/bash

function name {
    echo "shell scripting"
}

name
~
~
```

```
root@PRATIK:/home# vi function.sh
root@PRATIK:/home# chmod +x function.sh
root@PRATIK:/home# ./function.sh
./function.sh: line 4: syntax error near unexpected token `echo'
./function.sh: line 4: `echo "shell scripting"'
root@PRATIK:/home# vi function.sh
root@PRATIK:/home# ./function.sh
shell scripting
root@PRATIK:/home# vi function.sh
root@PRATIK:/home#
```