

Shell Scripts Examples

1) Function Call

```
#!/bin/bash

sum()
{
    x=$1
    y=$2
    k=0
    k=$((x+y))
    return $k
}
sum 8 9
echo "Sum of two numbers is:$?"
exit 0
```

2) Command line argument

```
#!/bin/bash
x=$1
y=$2
k=$((x+y))
echo "sum is:$k"
exit 0
```

3) If-else(Conditional statement)

```
#!/bin/bash
big_num()
{
    x=$1
    y=$2
    z=$3

    if [ $x -gt $y ]; then
        if [ $x -gt $z ]; then
            echo "Biggest number is:$x"
        else
            echo "Biggest number is:$z"
        fi
    else
        if [ $y -gt $z ]; then
            echo "Biggest number is:$y"
        else
            echo "Biggest number is:$z"
        fi
    fi
}
```

```

}
    big_num 6 7 8
exit 0

```

4) while loop

```

#!/bin/bash
x=15

while [ $x -ge 5 ] ; do
    echo $x
    x=$((x-1))
done
exit 0

```

5) For loop

```

#!/bin/bash
printf "enter the number for which you want the multiplication table"
read x
y=1
k=0
echo "Multiplication table of $x is:"

for ((y=1;y<=10;y++)) do
    k=$((x * $y))
    echo "$x X $y=$k"
done
exit 0

```

6) Switch statement

```

#!/bin/bash
x=$1
case $x in
    1)
        echo "this is level 1"
        ;;
    2)
        echo "this is level 2"
        ;;
    3)
        echo "this is level 3"
        ;;
    *)
        echo "this is the default level"
        ;;
esac
exit 0

```

7) Mathematical computation

```
#!/bin/bash
a=6.76
b=9.89
c=`echo $a+$b|bc`
echo $c
exit 0
```

8) List the content of current directory

```
#!/bin/bash

for x in `ls` ; do
echo $x
done
exit 0
```