

Lab 11

Shell Script

Mathematical Operator in Shell Script	Meaning	Normal Arithmetical/ Mathematical Statements	But in Shell	
			For test statement with if command	For [expr] statement with if command
-eq	is equal to	5 == 6	if test 5 -eq 6	if [5 -eq 6]
-ne	is not equal to	5 != 6	if test 5 -ne 6	if [5 -ne 6]
-lt	is less than	5 < 6	if test 5 -lt 6	if [5 -lt 6]
-le	is less than or equal to	5 <= 6	if test 5 -le 6	if [5 -le 6]
-gt	is greater than	5 > 6	if test 5 -gt 6	if [5 -gt 6]
-ge	is greater than or equal to	5 >= 6	if test 5 -ge 6	if [5 -ge 6]

5- Write script to print numbers as 5,4,3,2,1, the biggest number is supplied as command line argument. (Ex. Script-name 5)

```
n=$1
While test $n != 0
do
echo -n "$n,"
n=`expr $n - 1 `
done
echo ""
```

```
ubuntu@ubuntu:~$ sh e4 7
```

```
7,6,5,4,3,2,1,
```

```
ubuntu@ubuntu:~$ bash e4 5
```

```
5,4,3,2,1,
```

6. Write shell script using for loop to print the following patterns :

123456

12345

1234

123

12

1

```
for (( i=6 ; i>=1 ; i-- ))  
do  
  for (( j=1 ; j<=i ; j++ ))  
  do  
    echo -n "$j"  
  done  
  echo ""  
done
```