

Tutorial No.2

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Roll No. 66

Shell Script-String operations

1. Write a shell script to find out the length of a given string.

```
bhavin@predator: ~/Temp/os/ostut 84x26
GNU nano 6.2 length.sh
echo "Enter a string to find its length"
read str

echo "The length of the given string is" ${#str}

bhavin@predator:~/Temp/os/ostut$ nano length.sh
bhavin@predator:~/Temp/os/ostut$ ./length.sh
Enter a string to find its length
bhavin
The length of the given string is 6
bhavin@predator:~/Temp/os/ostut$ ./length.sh
Enter a string to find its length
maytheforcbewithyou
The length of the given string is 19
bhavin@predator:~/Temp/os/ostut$
```

2. Write a shell script to convert the original string into reverse string.

```
bhavin@predator: ~/Temp/os/ostut 84x26
GNU nano 6.2 reverString.sh
echo "Enter String to Reverse:"
read str

len=${#str}

for(( i=len-1;i>=0;i-- ))
do
    rev=$rev${str:i:1}
done
echo "$rev"

bhavin@predator:~/Temp/os/ostut$ nano reverString.sh
bhavin@predator:~/Temp/os/ostut$ ./reverString.sh
Enter String to Reverse:
bhavin
nivahb
bhavin@predator:~/Temp/os/ostut$
```

3. Write a shell script to find out if the given string is palindrome or not.

```
GNU nano 6.2          bhavin@predator: ~/Temp/os/ostut 84x26
palindrome.sh
echo "Enter String to Check Palindrome or not:"
read str

len=${#str}

for(( i=$len-1; i>=0; i-- ))
do
    rev="$rev${str:$i:1}"
done
if [ $str == $rev ];
then
    echo "String is Palindrom"
else
    echo "String is not Palindrome"
fi
```

```
GNU nano 6.2          bhavin@predator: ~/Temp/os/ostut 84x26
bhavin@predator:~/Temp/os/ostut$ nano palindrome.sh
bhavin@predator:~/Temp/os/ostut$ ./palindrome.sh
Enter String to Check Palindrome or not:
bhavin
String is not Palindrome
bhavin@predator:~/Temp/os/ostut$ ./palindrome.sh
Enter String to Check Palindrome or not:
level
String is Palindrom
bhavin@predator:~/Temp/os/ostut$
```