

1.write a program to check two strings lengths are equal.

```
str1=input("enter a string1")
str2=input("enter a string2")

count1=0
for i in str1:
    count1=count1+1
print(count1)

count2=0
for i in str2:
    count2=count2+1
print(count1)

if count1==count2:
    print("two strings lengths are equal")
else:
    print("not equal")
```

```
enter a string1nandeesha
enter a string2nandeesha
9
9
```

two strings lengths are equal

2.write a program to replace the first character of a user input string with the character "d"

```
str=input("enter a string")
a=list(str)
print(a,"before replacing")
a[0]="d"
print(a,"after replacing")

c=""
for i in a:
    c=c+i
print("converting back to string ",c)
```

```
enter a stringnandeesha
['n', 'a', 'n', 'd', 'e', 'e', 's', 'h', 'a'] before replacing
['d', 'a', 'n', 'd', 'e', 'e', 's', 'h', 'a'] after replacing
converting back to string  dandeesha
```

3.write a program to reverse the string

```
str=input("enter a string ")
a=list(str)
n=len(str)
i=0
j=n-1

while i<=j:
    temp=a[i]
    a[i]=a[j]
    a[j]=temp
    i=i+1
    j=j-1
print(a)

c=" "
for i in a:
    c=c+i
print(c)
```

```
enter a string nandeesha
['a', 'h', 's', 'e', 'e', 'd', 'n', 'a', 'n']
ahseednan
```

4.convert upper to lower and vice versa without using built in-function

```
str=input("enter a string")
lis=list(str)
n=len(str)
for i in range(0,n-1+1,1):
    if lis[i]>="A" and lis[i]<="Z":
        lis[i]=chr(ord(lis[i])+32)
    else:
        lis[i]=chr(ord(lis[i])-32)
print(lis)

c=""
for i in lis:
    c=c+i
print(c)
```

```
enter a stringNandeeSha
['n', 'A', 'N', 'D', 'E', 'E', 's', 'H', 'A']
nANDEEsHA
```

5.write a program to count the number of charaters in a string

```
str=input("enter a string")
count=0
for i in str:
    count=count+1
print("number of characters in a string is",count)
```

```
enter a stringNandeesha
number of characters in a string is 9
```