

PROGRAM ON STRINGS

Ex: 6(i)

Palindrome

Date: 25/01/23

AIM

To find if a given string is palindrome or not.

Code:

```
str1=list(input("enter elements: "))
print("string1: ",str1)
str2=str1.copy()
print("copied string2: ",str2)
str1.reverse()
print("reversed: ",str1)
if(str1==str2):
    print("PALINDROME")
else:
    print("not PALINDROME")
```

OUTPUT:

```
enter elements: malayalam
string1: ['m', 'a', 'l', 'a', 'y', 'a', 'l', 'a', 'm']
copied string2: ['m', 'a', 'l', 'a', 'y', 'a', 'l', 'a', 'm']
reversed: ['m', 'a', 'l', 'a', 'y', 'a', 'l', 'a', 'm']
PALINDROME
```

Ex: 6(ii)

Reverse of a string

Date: 25/01/23

AIM

To reverse a given string.

CODE:

```
str1=input("Enter a string:")
```

```
str=""
```

```
for i in str1:
```

```
    str=i+str
```

```
print("Reversed string:",str)
```

OUTPUT

Enter a string:unknown

Reversed string: nwonknu

Ex: 6(iii)

Length of a string

Date: 25/01/23

AIM

To find the length of a given string.

CODE:

```
str1=input("Enter a string:")
```

```
length=0
```

```
for i in str1:
```

```
    length+=1
```

```
print(length)
```

OUTPUT:

Enter a string:Naveen

6

Ex: 6(iv)

Replacing vowel in a string

Date: 25/01/23

AIM

To replace vowels with '@'.

CODE:

```
str1=input("Enter the string : ")
vowel=['a','e','i','o','u','A','E','I','O','U']
for i in str1:
    if i in vowel:
        i="@ "
        print(i,end=" ")
    else:
        print(i,end=" ")
```

OUTPUT:

Enter the string : naveen

n@v@@@n