



EXPERIMENT – 2.1

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Branch: CSE

Semester: 4th

Subject Name: Programming in Python lab

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Date of Performance:

Subject Code: 21CSP-259

Aim:

1. Python program to check whether the string is Symmetrical or Palindrome.
2. Python program to find uncommon words from two Strings
3. Write a Python program to add 'ing' at the end of a given string (length should be at least 3).
If the given string already ends with 'ing' then add 'ly' instead. If the string length of the given string is less than 3, leave it unchanged. Example:- Sample String : 'abc' Expected Result : 'abcing' Sample String : 'string' Expected Result : 'stringly'

Source code:

1.) Python program to check whether the string is Symmetrical or Palindrome.

```
stri = input("Enter the Word: ")
length = len(stri)
j = length-1
temp = 0
for i in range(length):
    if(stri[i] == stri[j]):
        j = j-1
        continue
    else:
        temp = -1
        print(stri+" is not Symmetrical or Palindrome")
        break
if(temp == 0):
    print(stri+' is Symmetrical or Palindrome')
```

Output:

```
Enter the Word: car
car is not Symmetrical or Palindrome
> |
```

```
Enter the Word: madam
madam is Symmetrical or Palindrome
> |
```

Source code:

2.) Python program to find uncommon words from two Strings

```
string1 = input("Enter the first word: ")
string2 = input("Enter the second word: ")
def word(string1,string2):
    word1 = string1.split()
    word2 = string2.split()

    x= set(word1)
    y= set(word2)

    uncoman_word = x.symmetric_difference(y)
    return uncoman_word
res = word(string1, string2)
print(res)
```

Output:

```
Enter the first word: i am best
Enter the second word: everyone is best
{'am', 'i', 'is', 'everyone'}
> |
```



Source code:

- 3.) Write a Python program to add 'ing' at the end of a given string (length should be at least 3). If the given string already ends with 'ing' then add 'ly' instead. If the string length of the given string is less than 3, leave it unchanged. Example:- Sample String : 'abc' Expected Result : 'abcing' Sample String : 'string' Expected Result : 'stringly'

```
string = input("Enter the string: ")
length = len(string)
if(length>=3):
    if(string[length-1] == "g" and string[length-2]=="n" and string[length-3]=="i"):
        print(string+"ly")
    else:
        print(string+"ing")
else:
    print(string)
```

Output:

Shell Clear

```
Enter the string: abc
abcing
> |
```

Shell Clear

```
Enter the string: string
stringly
> |
```