

▼ Practical3 Assignments- String

Dear students create a separate notebook on Google Colab save it with Name Rollno_Practical3.ipynb and solve the following assignments in it

```
mystring="there are many programming languagae C C# C++ ASP JAVA "  
newstr=mystring.split()  
for i in newstr:  
    print(i)
```



```
there  
are  
many  
programming  
languagae  
C  
C#  
C++  
ASP  
JAVA
```

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Assignments

1. Program to count the occurrences of each word in a given string sentence.
2. Program to check if a substring is present in a given string.
3. Write a program to count the number of letters in a word
4. Python program to convert lower letter to upper and upper letter to lower in a string
5. Write a Python program to form a string made of the first 2 and the last 2 chars from a given a string. If the string length is less than 2, print a '*' symbol instead of the empty string
6. Write a Python function to create the HTML string with tags around the word(s).
Sample function and result : `add_tags('i', 'Python')` -> `'Python'` `add_tags('b', 'Python Tutorial')` -> **'Python Tutorial'**
7. Write a program to accept product review as input. Process the string and categorize the review as Positive Negative or Neutral Review based on the words from the input.

```
sentence=input("enter the sentence ");
```

```
words = sentence.split();  
counter=0;
```

```
for word in words:
```

```
    if word==w:
```

```
        counter+=1;
```

```
print(counter)
```

```
sentence=input("enter the sentence ");
```

```
w=input("enter the word to find ");
```

```
words = sentence.split();
```

```
for word in words:
```

```
    if word==w:
```

```
        print("Word found")
```

```
        break
```

```
word=input("enter the word ")
```

```
print(len(word))
```

```
letter=input("enter a sentence ")
```

```
newch=""
```

```
for ch in letter:
```

```
    if letter.isupper():
```

```
        newch+=ch.lower()
```

```
    elif letter.islower():
```

```
        newch+=ch.upper()
```

```
print(newch)
```

```
    enter a letter A
```

```
    a
```

```
string=input("enter a string ")
```

```
if len(string)<2:
```

```
    newstring=string+*****
```

```
else :
```

```
    newstring=string
```

```
print(newstring[0:2])
```

```
print(newstring[-2]+newstring[-1])
```

```
    enter a stringtabish
```

```
    ta
```

```
    sh
```

```
def add_tags(tag,text):
```

```
    print("<"+tag+">"+text+"</"+tag+">")
```

```
tag=input("enter a tag ");
text=input("enter a text to insert in tag ")
add_tags(tag,text)
```

```
enter a tag p
enter a text to insert in tag this is a paragraph
<p>this is a paragraph</p>
```

```
positive=["good", "better", "best", "nice", "well", "amazing", "worth", "usefull"]
negative=["bad", "worst", "disgusting", "waste", "useless"]
review=input("enter the review")
words = review.split();
for word in words:
    if word in positive:
        print("positive review");
        break
    elif word in negative:
        print("negative review")
        break
```

```
enter the reviewthe product is good
positive review
```