1. **Python Program to Replace all Occurrences of ‘a’ with $ in a String.**

```
text = "apple and banana"
new_text = text.replace('a', '$')
print ("New string:", new_text)
```

2. **Python Program to Remove the nth Index Character from a No Empty String.**

```
text = "hello"
n = 2
new_text = text[:n] + text[n+1:]
print("String after removing character at index", n, ":", new_text)
```

3. **Python Program to Detect if Two Strings are Anagrams.**

```
str1 = "listen"
str2 = "silent"

if sorted(str1) == sorted(str2):
    print("The strings are anagrams.")
else:
    print("The strings are not anagrams.")
```

4. **Python Program to Form a New String where the First Character and the Last Character have been Exchanged.**

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

if len(s) < 2:
    print("New string:", s)
else:
    new_string = s[-1] + s[1:-1] + s[0]
    print("New string:", new_string)
```

5. **Python Program to Count the Number of Vowels in a String.**

```
s = input("Enter a string:")
vowels = "aeiouAEIOU"
count = 0

for ch in s:
    if ch in vowels:
        count += 1

print("Number of vowels:", count)
```

6. **Python Program to Take in a String and Replace Every Blank Space with Hyphen.**

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

new_string = s.replace(" ", "-")
print("New string:", new_string)
```

7. **Python Program to Calculate the Length of a String Without Using a Library Function.**

```
s = input("Enter a string: ")
count = 0

for ch in s:
    count += 1
print("Length of the string is:", count)
```

8. **Python Program to Remove the Characters of Odd Index Values in a String.**

```
s = input("Enter a string: ")
new_string = ""

for i in range(len(s)):
    if i % 2 == 0:
        new_string += s[i]

print("New string:", new_string)
```

9. **Python Program to Calculate the Number of Words and the Number of Characters Present in a String.**

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

char_count = 0
for ch in s:
    if ch != " ":
        char_count += 1

word_count = len(s.split())
```

10. **Python Program to Take in Two Strings and Display the Larger String without Using Built-in Functions.**

```
a = input("Enter first string:")
b = input("Enter second string:")

count1 = 0
count2 = 0

for char in a:
    count1 += 1

for char in b:
    count2 += 1

if count1 > count2:
    print("Larger string is:", a)
elif count2 > count1:
    print("Larger string is:", b)
else:
    print("Both strings are equal in length.")
```

11. **Python Program to replace every blank space with hyphen in a string.**

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

new_string = s.replace(" ", "-")
print("New string:", new_string)
```

12.Python Program to count number of lowercase characters in a string.

```
s = input("Enter a string: ")
count = 0

for ch in s:
    if ch.islower():
        count += 1
print("Lowercase letters:", count)
```

13.Python Program to count number of digits and letters in a string.

```
s = input("Enter a string: ")
letters = 0
digits = 0

for ch in s:
    if ch.isalpha():
        letters += 1
    elif ch.isdigit():
        digits += 1

print("Number of letters:", letters)
print("Number of digits:", digits)
```

14.Python Program to count the occurrences of ach word in a string.

```
from collections import Counter

text = "Python is great and Python is easy"
print(Counter(text.split()))
```