

PYTHON

STRING

A string is a sequence of characters (letters, numbers, symbols, or spaces) enclosed in single quotes ' ', double quotes " ", or triple quotes ''' ''' / """ """.

1. COUNT VOWELS IN A STRING WITHOUT USING COUNT()

```
# 1.Count vowels in a string without using count()
```

```
text = "programming"
vowels = "aeiouAEIOU"
count = 0

for ch in text:           # Loop through each character in the string
    if ch in vowels:      # check if the character is a vowel
        count += 1        # if yes, increase the count by 1

print(count)
```

Number of vowels in a text: 3

2. PRINT THE FIRST AND LAST CHARACTER OF A STRING

```
# 2.Print the first and last character of a string
```

```
text = "Python"
first = None           # to store first character
last = None
index = 0              # counter to track position

for ch in text:
    if index == 0:      # check if this is the first character
        first = ch
    last = ch
    index += 1

print(first, last)
```

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3.COUNT HOW MANY TIMES A LETTER APPERS IN A STRING

```
# 3.Count how many times a letter appears in a string
```

```
text = "programming"
letter = "m"
count = 0

for ch in text:          # Loop each character in the string
    if ch == letter:      # check if the current character matches the letter
        count += 1        # if yes, increase the count by 1

print(count)
```

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4.PRINT EACH WORD IN A PYTHON SEPARATELY (Without using split)

```
# 4.Print each word in a string separately (without using split)
```

```
text = "I love Python"
word = ""

for ch in text:          # Loop through each character in the string
    if ch != " ":
        word += ch        # add it to the current word
    else:
        print(word)
        word = ""         # reset word to store the next word

print(word)
```

I
love
Python

5.PRINT ASCII VALUE OF EACH CHARACTER

```
# 5.Print ASCII value of each character
```

```
text = "AB" |

for ch in text:          # Loop through each character in the string
    print(ch, ":", ord(ch)) # print the character and its ASCII value
```

A : 65
B : 66

