Q1. Write a program to replace all occurrences of 'a' with $ in a String. (Ex.
apple then output is
$pple).

In [6]:
```python
a = "MY NAME IS RAHUL NANDANWAR"
string = ''
for char in range(0, len(str)):
    if(a[char] == 'A'):
        string += '$'
    else:
        string += a[char]

print("Modified string : ")
print(string)
```

Modified string :
MY N$ME IS R$HUL NNDNW$R

Q2. Write a Python program to count the number of characters (character
frequency) in a string.
Sample String: google.com
Expected Result : {'o': 3, 'g': 2, '.': 1, 'e': 1, 'l': 1, 'm': 1, 'c': 1}

In [10]:
```python
def character(str1):
    dict = {}
    for n in str1:
        keys = dict.keys()
        if n in keys:
            dict[n] += 1
        else:
            dict[n] = 1
    return dict
print(character('google.com'))
```

{'g': 2, 'o': 3, 'l': 1, 'e': 1, '.': 1, 'c': 1, 'm': 1}

Q3. Write a Python program to get 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, return instead of
the empty string.
Sample String : 'General12'
Expected Result : 'Ge12'
Sample String : 'Ka'
Expected Result : 'KaKa'
Sample String : ' K'
Expected Result : Empty String

```
In [30]: def string(str):
           if len(str) < 2:
             return 'Empty string'

           return str[0:2] + str[-2:]
         print("General12")
         print(string('General12'))
         print("ka")
         print(string('ka'))
         print("k")
         print(string('k'))
```

```
General12
Ge12
ka
kaka
k
Empty string
```

Q4. Write a Python program to calculate the Length of a String without using a Library Function.

```
In [37]: string=input("Enter string:")
         count=0
         for i in string:
             count+=1
         print("Length of the string is:")
         print(count)
```

```
Enter string:RAHUL
Length of the string is:
5
```

Q5. Write a Python program to get a single string from two given strings,
separated by a space and
swap the first two characters of each string.

```
In [77]: str1 = input("First String : ")
         str2 = input("Second String : ")
         x=str1[0:2]
         str1=str1.replace(str1[0:2],str2[0:2])
         str2=str2.replace(str2[0:2],x)
         print(str1)
         print(str2)
```

```
First String : RAHUL
Second String : DHANAJI
DHHUL
RAANAJI
```