Karanjot Singh

In [11]:

```
# Write a Program that will check whether a given String is Palindrome or not.
pal = input("Enter the String U Want to Check:")
pallen = len(pal)
count = 0
if pal == pal[::-1]:
    print("The String is a Palindrome!!!")
else:
    print("The String is not a Palindrome!!!")
```

```
Enter the String U Want to Check:madam
The String is a Palindrome!!!
```

In [15]:

```
#Wap to Remove punctuations from a input string.
data = input("Enter the String:")
punch = '''!()-[]{};:'"\,<>./?@#$%^&*_~'''
string = ""
for i in data:
    if i not in punch:
        string = string + i
print(string)
```

```
Enter the String:"hello!!!!",How Are u,?
helloHow Are u
```

In [39]:

```
# Given two strings, a and b, create a bigger string made of the first char of a, the first
import math
first_str = input("Enter the First String:")
second_str = input("Enter the Second String:")
com_str = ""
index = 0
first_len,second_len = len(first_str),len(second_str)
for i in range(0,(first_len+second_len)):
    if i % 2 == 1:
        com_str = com_str + second_str[math.floor(index)]
    elif i % 2 == 0:
        com_str = com_str + first_str[math.floor(index)]
    index = index + 1/2
    #print(math.floor(index))
print(com_str)
```

```
Enter the First String:abc
Enter the Second String:xyz
axbycz
```

In [40]:

```
# Given two strings, word and a separator, return a big string made of count occurrences of
first_str = input("Enter the First string:")
second_str = input("Enter the Second String: ")
rep = int(input("Enter the no:"))
print((first_str+second_str)*rep)
```

```
Enter the First string:Agra
Enter the Second String: X
Enter the no:3
AgraXAgraXAgraX
```

In [43]:

```
#Given a string of even length, return the first half. So the string "CatDog" yields "Cat".
String = input("Enter the String:")
String_len = len(String)
if String_len % 2 == 0:
    for i in range(0,round(String_len/2)):
        print(String[i],end="")
else:
    print("Null!!")
```

```
Enter the String:CatDog
Cat
```

In [44]:

```
#Decode the Receive the encoded string "dGhpcyBpcyB0byBjaGVjayBmb3IgZW5jb2RlIGFuZCBkZWNvZGU
import base64
a = "dGhpcyBpcyB0byBjaGVjayBmb3IgZW5jb2RlIGFuZCBkZWNvZGU="
print(base64.b64decode(a))
```

```
b'this is to check for encode and decode'
```

In [62]:

```
# Read json data from URL #json_url = 'http://python-data.dr-chuck.net/comments_42.json' an
import requests
Sum = 0
url = "http://python-data.dr-chuck.net/comments_42.json"
r = requests.get(url)
l = r.json()
for i in l["comments"]:
    print("count:",i['count'])
    Sum = Sum + i["count"]
print("Sum of Count are:",Sum)
```

```
count: 97
count: 97
count: 90
count: 90
count: 88
count: 87
count: 87
count: 80
count: 79
count: 79
count: 78
count: 76
count: 76
count: 72
count: 72
count: 66
count: 66
count: 65
count: 65
count: 64
count: 61
count: 61
count: 59
count: 58
count: 57
count: 57
count: 54
count: 51
count: 49
count: 47
count: 40
count: 38
count: 37
count: 36
count: 36
count: 32
count: 25
count: 24
count: 22
count: 21
count: 19
count: 18
count: 18
count: 14
count: 12
count: 12
count: 9
```

```
count: 7
count: 3
count: 2
Sum of Count are: 2553
```

In [67]:

```
#Write a program to check how many ovals present in the given string. That is, count the nu
s = input("Enter the String:")
l = ['a','e','i','o','u']
q,Sum = 0,0
for i in range(0,len(l)):
    q = i%5
    count = 0
    for j in s:
        if j == l[q]:
            count = count + 1
    Sum = Sum + count
    print("{} Accurs:{}".format(l[i],count))
print("Total NO of Vowels Are:",Sum)
```

```
Enter the String:i love python
a Accurs:0
e Accurs:1
i Accurs:1
o Accurs:2
u Accurs:0
Total NO of Vowels Are: 4
```