12 June 2019

In [81]:
```
s1 = "Python"

s1[len(s1)-5] #Accesing the last Charector it
s1[0] #Accesing the Fitst Charector

s1[0:7] #accesing the first 7 Charecters
s1[-2:] #accesing the Last 2 Charecters
s1[4:]

s1[1:-1] #Except first and last Charectors
s1[len(s1)//2] #Accesing the middle Charector

s1[-1::-1] #Accesing Reverse of a String
s1[-1:-3:-1] #Accesing the ;ast two charectores in Reverce


s1[::2]
```

Out[81]: 'Pto'

In [37]:
```
#Fid the Remaimnder vfrom given value

a=2111119
b=32
(a%b)
```

Out[37]: 15

Functions

In [41]:
```
#Function to reverse a string

def reversestring(s1):
    return s1[::-1]

reversestring("Python")
```

Out[41]: 'nohtyP'

In [46]:
```
#Given number is Palindrome or not

def palindrom(s):
    if s == s[::-1]:
        return True
    else:
        return False
palindrom("124542")
```

Out[46]: False

In [49]:
```
# Given year LEAP or Not

def isLeapyear(year):
    if(year%4==0 and year%100!=0 or year%400==0):
        print(year, "Leap Year")
    else:
        print(year, "Not a Leap Year")
isLeapyear(1900)
```

```
1900 Not a Leap Year
```

In [50]:
```
# No. Digits from given number

def DigitsofaNumber(Number):
    return len(str(Number))

DigitsofaNumber(99089085663)
```

Out[50]:
```
11
```

In [51]:
```
# Find the greatest no from given numbers

def Greatest4(n1, n2, n3, n4):
    if n1 > n2 and n1 > n3 and n1 > n4:
        return n1
    elif n2 > n3 and n2 > n4:
        return n2
    elif n3 > n4:
        return n3
    else:
        return n4
Greatest4(121, 121, 134, 135)
```

Out[51]:
```
135
```

In [52]:
```
# Nantural number

def nNaturalNumbers(n):
    counter = 1
    while (counter <= n):
        print(counter, end = " ")
        counter = counter + 1
    return


nNaturalNumbers(11)
```

```
1 2 3 4 5 6 7 8 9 10 11
```

In [74]:
```
# Print the numbers which is divisible by 6 from given range

def GivenNumber(D):
    counter=1
    while (counter <=D):
        if counter % 6 == 0:
            print(counter, end=" ")
        counter=counter + 1

GivenNumber(43)
```

```
6 12 18 24 30 36 42
```

In [76]:
```
# Function to generate the list of factores for a given numbers

s=int(input("Enter a Number "))
def fact(X):
    a=1
    while a<=X:
        if X%a==0:
            print(a, end=" ")
        a=a+1
fact(s)
```

```
Enter a Number 16
1 2 4 8 16
```

In [53]:
```
# function to check if a number is prime number

N=int(input("Enter a Number "))
def prime(a):
    x=2
    y=0
    while x<=a:
        if a%x==0:
            y=y+1
        x=x+1
    if y==1:
        print("Given num is  a Prime")
    else:
        print("Given num is Not a Prime")
prime(N)
```

```
Enter a Number 13
Given num is  a Prime
```

In [ ]:
```

```