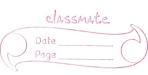


## BASIC PYTHON PROGRAMS

```
1]. Python Program to print 911 prime number in
   given interval.
                             MUL KOMAR (LINKEDIN).
NOTES GALLERY (TELEGRAM).
   Code:
   Staxt = 11
   end = 75
   Print ("prime numbers between", start, "and",
          end, "are:")
   for (i in range (start, end +1)):
           if i > 1:
                for j in range (2, i):
                 if(i)\cdot J==0):
                  break
               else
               print(i)
   output:
        Prime numbers between 11 and 75 are:
        11, 13 17 19 23 29 31 37 41 43
                    67 71 73
        47 59 61
   Python programe to print square of given
   number:
   Code:
   num = int (input ("enter number: "))
   square = n*n
   print ("Square is: ", Square)
   Output:
                    enter number: 10
                    Square is : 100
```



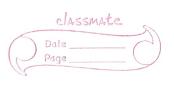
	II.
3].	Python program to print table of given number:
$\checkmark$	Code:
	n = int (input ("enter the number to print table
	fox:"))
	for i in range (1, 11):
	print (i *n)
	Output: enter number to print table for: 7.
	7
	14
	2١
	28 <u>MUL KUMAR (LINKGOIN).</u> NOTES GALLERY (TELEGRAM).
	35 NOTES CALLERY (TELEGRAM).
	42
	49
	56
	63
	70.
4].	Python Program to add two numbers:
-	Code:
	num 1 = 20
	num 2 = 17.5
	Sym = num 1 + num 2
	print (The sum of {0} and {1} is {2}:
	format (num 1, num 2, sum)
7	, , , , , , , , , , , , , , , , , , , ,
	Output;
	The sum of 20 and 17.5 is 37.5



```
Python program to print calander
    Code:
     # importing calander module
     import calander
       44 = 2022 # 46ax
       mm = 11 # month
                                NOTES GALERY (TELEGRAM).
    # displaying calander
     print (calander, month (yy, mm))
    Output:
                   NOV 2022
          Tue
    Mon
                 Wed Thu
                               Fri
                                     sat
                                           sun.
                               4
                                      5
    7
                         10
                                      12
                                            13
    14
                  16
                         17
                                      19
                                18
                                            20
    21
           22
                  23
                         24
                                       26
                                25
                                            27
                  30
    28
           29
6.
    Python program to swap two numbers:
    Code:
    \chi = 5
    4 = 10
    # Swapping of number using third variable
    temp = x
    x = 4
    y = temp
    print ('value of x after swapping: {}'.format (X))
    print ('value of y after swaping: { }: format (y))
    Output:
              Value of x after swapping: 10
               value of y after swapping: 5
```



```
Python program to find factorial of number:
    Code:
    num = 7
                                   MUL KOMAR (LINKEDIM).
NOTES GALLERY (TELEGRAM).
    Fact = 1
    for i in range (1, num +1):
           fact = fact * i
    print ("factorial is: ()". format (fact ))
    Output:
           Factorial is: 5040.
8.
    Python program to convert decimal to Other
    number system.
    Code:
    dec = 344
    print ("The decimal value of", dec, "is:")
    print (bin (dec), "in binary.")
    print (Oct (dec), " in octal.")
    print (hex (dec), " in hexadecimal.")
     Output:
         The decimal value of 344 is:
          obibiolioop in binary
          O0530 in Octal
          0 x 158 in hexadecimal.
    Python program to print a * pattern.
    Code:
    rows = int (input ("enter number of rows:"))
    for i in range (rows):
    for j in range (i+1):
            pxInt ("*", end ="")
            print ("In")
```



```
Python program to find LCM:
Code:
  def compute_lcm (x, y)
        if x > y
greater = y

While (True):

""

ATUL KOMAR (LINKEDIN).

NOTES GALLERY (JELEGRAM).
        greater = X
      if((greater: 1 \cdot x = 0) and (greater: 1 \cdot y = 0):
        1cm = greater
        break
    return Lcm
num 1 = 54
num 2 = 24
print ("The L.C.M. is", compute_1cm(num1.num2))
Python program to add two matrices:
Code:
        [5,8,1],
for i in range (len(X)):
 for j in range (len (y).):
          \text{yesult [i][J]} = \times [i][J] + y [i][J].
  for y in yesult:
   print (Y):
```



<b>→</b>	Output: [17,5,4]
	[10,12,9] [11,13,18]
10	
12.	Python program to find sum array:
	Code:
	def_Sum (arr):
	Sum = 0 ATUL KOMAR (UNKEDIN). FOX: IN OXX: NOTES GALLERY (TELEGRAM).
	1001111988.
	Sum = Sum +i
	return (sum)
	988 = []
	988 = [12,3,4,15]
	n = len(ayy)
	ans = _Sum(axx)
	print ('Sum of the array is: ans)
	Output:
	Sym of Array is 24.
13.	Python program to find grea of circle:
	Code:
	def findarea (Y):
	PI = 3.142
	return PI * (r * r):
	print ("AREA is 1. 6 f" 1. findarea (5)):