BASIC PYTHON

PROGRAMS

By: @curious-programmer

```
] Python programe to print Half paraymid of *
program: print ("Half parymid of stores:")
            for i in range (s):
                for J in range (i+i):
```

print ("*", end = "") print ()

output: ****

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2) python program to swap two variables.

poogram:

$$20 = 10$$
 $y = 20$

2,y = y,2

print ("value of 2 :",2) point ("value of y:", y)

output:

value of 20:20

value of y = 10

3] python program to print fibonnaci series upto n+h term. program: n = int(input ("enter the value of in':")) q = 0h = 1 SUM = 0 Count = 1 print ("fibonacci Series: ", end = "") while (count <=n): print (sum, end = "") Count +=1 a = b@curious-. programmer b = 60m sum = a + b Output: fibonacci Serviel: 0 1123

1) python project to find maximum of two

program: def maximum (a,b):

if a>=b:

return a

else:

4 = 700

2 = 100

print (maximum(x,y))

output: 700

5] Python program to find square of any natural numbers. program: def square (n): paint (the square of number is : ", n*n) n = impost int(input ("enter number:")) square(n) output: enter number: 5 the square of number is: 25 acrusons - bsolzammer 6 Python program to genrate a random number: program: import random print (random randint (0.9)) Output: 7 A python program to calcuate area of triangle program: Side 1 = 5 Ourious_pagrammer Side 2 = 6 Side3 = 7 # calcuating po semi-perimeter 5 = (a+b+c)/2# calcuating area area = (5 *(5-6)1e1) area = (S* (S-side1)*(8)S-side2)*(S-side3))**0.5 print ("area of triangle is 1.0.25" 1. area)

8) python program to find ASCII value of the

poogram: C = 'p'

Print ("the AscII value (" + c " is", ord (c))

OUtput: The ASCII value of P is 112.

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I python program to display a at calander.

program: #importing calander module

import calanders

yy = 2014 # year

mm = 11 # month

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displaying calander

print (calander month (yy, mm)

OUtput :

november 2014

```
19 python program to add two matrices.
program: x = [[12, 7, 3],
                  [4, 5, 6],
                   [1, 8, 9]]
           Y = [[s, 8, 1],
                  [6, 7, 3].
                  [4, 5, 9]]
         result = [[0,0,0],
                   [0,0,0],
                   [0,0,0]
          for i in range (len(x)):
              for J in range (len x[o]):
                   result [i][J] = X[i][J] + Y[i][J]
          for or in result:
              print (r)
 Output: [[17, 15, 4],
                              Ourious-Pools muer
           [10, 12, 9],
           [11, 13, 18]]
```

ill python program to make a simple Calvalator.

program: #this function adds two numbers def add (x,y): seturn 2+4 # this function substract two numbers def substract (214): seturn 2-4 # this function multiply two numbers def multiply (20,4): setum 2 * y # this function divides two numbers der divide (20,4): setum (2214) print ("select operation") print ("1. Add") print (2. 8ubstract ")

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SWIPE -> ->

print (3. multiply ")

print (4. divide ")

```
while True:
   choice = input ("enter choice (1/2/3/4):")
    if choice in ('1', '2', '3', '4'):
        num! = float (input ('enter first number")
        num2 = float (input ( 'enter second number")
        if Choice == "":
           print (num1, "+" num2, "=" add (num1, num2)
        elif choice == 121:
           print (num1, "-" num2, "=" substract (num1, num2)
        elif choice == 13':
           Print (numl, "*", num2, "=" multiply (num1, num2)
        elif (hoice = = '4':
            point (num!, "/", num2, "=" divide (num1, num2)
        next_calcation = input ('want to do another calcation
                                   (yes(no):")
         if calcuation == "no":
             break
                                   acurious-projecimmes
output: select operation.
          1.099
          2. Builtiply substract
          3. multiply
          4 divide
          enter choice (1121314): 4
          enter first number: 30
          enter secound number: 3
           30.0 13.0 = 10.0
```