Output : -Enter the value 3 Area is 28.2600

Output:

Enter the first number: 45 Ente the second number: 55 Enter the third number: 27 The largest number is 55

Date: 16-01-2021

Date: 14-01-2021 Program No: 1 Airo: Python program to find area def area (1): pc = 3.14 return pi * (r*r); num = float (triput ("Enter the value:")) puint ("Area is %6f" % area (num)); Result: The program has been executed and autput was Program No: 2 Ain: Python program to find largest among 3 numbers num = float (input ("Enter the first number: ")) num 2 = float (input (Enter the second number: ")) num3 = float (input ("Enter the third number: ")) if (nume numa) and (nums > num 3) laigest = numi elif (num2 > mum1) and (num2 > num3) largest = numa else largest = num3 print ("The largest number is", largest) Result: The program has been executed and output was reified.

Output :-Enter an integer number: 5 Square of 5 is 25

Output:

The radius of the circle: 4 The area of the circle with radius 4.0 is 50.2654

Output: -

14 Iguared is 196

20 squared is 400

13 squared is 169

8 squared is 64

6 squared in 36

2 squared is 4

Date: 16-01-2021 Program No:3

Ain: Python program to find equal of a number

num = int (injut (" Enter an integer number: "))

square = num * num

print ("Square of {num? is { square?")

Result: The program has been executed and the autjust uns verified

Date: 26/01/2021

Program No: 4

Aim: Python program to find area of circle

From math import pi

1 = float (input ("the radius of the circle:"))

print ("The area of circle"+str(1)+"is:"+str(pi+1**2)).

Result: The program has been executed and the autput was verified Date: 26-01-2021

Program No: 5

Am: Python program to find square of n

list 1 = [14, 20, 13, 8, 6, 2]

for n in list:

Square = n x n

print (n, squared is, square)

Result: The program has been executed and the oluput was verified

Output:
lyiven strung:

Hello: How are you

The vowels present in the string

{'u', 'a', 'e', 'o'}

Output:

{'python':1, 'is':1, 'a':1, 'very':1, 'versatile':1, 'language':1}

Date: 26-01-2021

Program No: 6

Aim: Python program to find vowels in a string

String A = "Hello... How are you"

print ("Jiven string: \n; String A)

Vowels = "Aa Ea I i Oo Uu"

rese = set (I each for each in string A if each in rowels)

print ('The vowels present in the string: \n', res)

Result: The program has been executed and the autput was verified

Date: 26-01-2021

Program No: 7

Aim: Python program to count words in a sentence

def word = count (str):

counts = dict ()

words = str. white

def word_count (str):

counts = dict c)

words = str. sphite

for word is words:

'f word is counts:

counts [word] += 1

else

counts [word] = 1

return counts

print (word_count ("Rython is a very versatile language"))

Result: The program executed and the autput was resified.

Count of a in the list is:5

Output:

both list have equal length

Date: 26-01-2021 Program No: 8 dim: Python program to count a in a list a = ['anjali', 'reenu', 'gretta', 'aamy'] ster= ('. join(a)) Count = 0 for i in star: if i == 'a': count = count +1 print ("Count of a in the list is: " + str (count)) Result: The program has been executed and the output was verified. Date: 26-01-2021 Program No: 9 Aim: Python program to check the length of list list 1 = [1,2,3,4,5,6] list 2 = [9,8,7,6,3,5] len: = len (lists) len 2 = len (listz)

Result: The mogram has executed and the output was verified.

print ('both list have equal length')

print ('both list doesn't have equal length')

if len == len 2:

Output:

both list does not have equal sum

Output:

There are common elements

Date: 26 - 01 - 2021 Program No: 10

Aim: Python program to check the sum of list

list 1 = [9, 4, 3, 7, 2]

list 2 = [3, 4, 5, 8, 6]

totali = sum (liti)

total 2 = sum (list2)

if total == total 2:

truit ('both list have equal run')

else:

print ('both list does not have equal surs')

Result: The program has been executed and the output was verified

Date: 26-01- 2021

Program No: 11

Ain: Python program to check the common elements in the list

list 1 = [2, 3, 7, 5, 6, 9]

list 2 = [8,2,3,4,5,6]

for value is list1:

if value in list2:

Common = 1

if common == 1:

paint ("There are common elements")

else:

print ("No elements are common")

Result: The program has executed and the autput was verified.

Date: 27 - 01 - 2021 Program No: 12 Output: Ain: Python program to replace a character onisn def change-char (stri): Char = STAI [0] stri = stri. replace (char, '\$') stri = char + stri [1:] return stri print (change-char ('onion')) Result: The program has been executed and the autput was verified Date: 27 - 01 - 2021 autput: Program No:13 ny thop Aim: Python program to exchange the first and last letter in · a string def change_string (stri): return Stri [-1:] + Stri[:-] + Stri [:] print (change-string ('python')) Result: The program has been executed and the autput was verified.

Output :-

Mane

{'d': 3, 'e': 2, 'l': 6, 'g': 5}

Output:

Original dictionary: {0:1,2:3,4:0,3:4,1:2}

Dictionary in ascending order by value: [(4,0),(0,1),(1,2),(2,3),(3,4)]

Dictionary in descending order by value: {3:4,2:3,1:2,0:1,4:0}

Date: 27-01-2021 Program No. 14 Aim: Python mogram to marge 2 dictionaries def Merge (dict 1, dict2): return (dict 2. update (dixt1)) dict = { 1:6, 9:5} dict 2 = {d':3, 'e':2} print (Merge (dict1, dict2)) print (dicts) Result: The program has been executed and the autput was Date: 27-01-2021 Program No: 15 Dim: Python program to ascent and descent dictionary impart operator d= {0:1, 2:3, 4:0, 3:4, 1:2} puint ('original dictionary:' . d) sorted_d = sorted (d. iten (), key = operator. itenzetter (1)) truint ('Dictionary in ascending order by value:', sorted-d) sorted-d = dict (sorted (d items), key=greator.itemgetter(i), reverse = True)) paint (Dictionary in descending order by value: 'souted-d)

Result: The magram has been executed and the autjust

was verified

```
Date: 27-01-2021
                                                               Program No: 16
                                                                Airs: Python program to remove even number from the list
Output:
[10, 13, 26, 29, 38, 50]
 list after removing even number:
                                                                 list = [10, 13, 26, 29, 38, 50]
                                                                 print (list)
 [13, 29]
                                                                  for i in list:
                                                                    4(i%2 == 0):
                                                                        list. remove (i)
                                                                  point (" list after removing even numbers: ")
                                                                  print (list)
                                                                Result: The program has been executed and the output
                                                                        was verified.
                                                         Date: 27-01-2021
                                                                Program No: 17
  Output:
                                                                 Aim: Python program to find ged of number
   GCD of 144 and 12 is 12
                                                                  def gcd (a,b):
                                                                        if (b==0):
                                                                            return a
                                                                        return gcd (b, a 26)
                                                                   a = 144
                                                                   if (gcd (a, b)):
                                                                       fuint ('GCD of', a, 'and', b, 'is', gcd (a,b))
                                                                       print ('not found')
                                                                 Result: The program has been executed and the output
```

was verified

Output:

Enter a number:5

The factorial of 5 is 120

Pack: 03-02-2021

Program No: 18

Aim: Python program to find factorial of a number

num=int (input ("Enter a number:"))

factorial=1

if num < 0:
 print ("soury, factorial does not exist for negative numbers)

elif num==0:
 print ("The factorial of 0 is 1")

else:
 for i is range (1, num+1):
 factorial = factorial *i
 print ("The factorial of ", num, "is ", factorial)

Result: The program has been executed and the authort was verified.

```
Output:

Enter the number of terms:5

Fibonacci sequence:

2
3
```

```
Program No: 19

Aim: Python program to kind fibonacci review of N terms

def recur. fibo(n):

'f n<=1:

return n

else

return (recur. fibo(n-1) + recur. fibo(n-2))

nterms = int (input ("Enter the number of terms: "))

if nterms <=0:

print ("Please enter a paretire integer")

else:

nint ("Fibonacci sequence:")

for i in range (nterms):

print (recur. fibo(i))

Result: The program has been executed and the autput
```

was relified.

Output: Streaming streamingly

```
Pate:03-02-2021

Program No: 20

Aim: Python program to perform string function

def add_string(stri):
    length = len(stri)
    if length >1:
        if stri[-3:] == 'ing':
            stri += 'ing'
            return stri
        print (add_string('stream'))
    print (add_string('stream'))

Result: The program has been executed and the autput was resifted.
```

```
Output:

Page :03/02/
Program No:
Aim: Pytho
mumbers
sum = 8
print C

Result: The
ax

Quete:03/0
Program N

Aim: Pyth

Enter a number: 4444

Enter a number: 9999

4624
6084
6400
8464
```

```
Date: 03/02/2021
Program No: 21
 Ain: Python program to perform the sum of given items
    numbers = [1,2,3,4,5,2,5]
    Sum = Sum (number)
    print (sum)
 Result: The program has been executed and the output
        was verified.
 Date :03/02/2021
 Program No: 22
 Ain: Python program to find perfect even square numbers
        in a Range
   num: int (input ("Enter a number:"))
  num2 = int (input ('Enter a number: '))
   for i is range (num, num2+1):
       for j is range (32, 100+1):
            if i=j*j:
               if int (string [0]) 1/2 == 0 and int (othing [1] 1/2 == 0 and
                  int (string [3] % 2 == 0 and int (string [3] % 2 == 0
                print (i)
   Result: The program has been executed and the output
            was verified.
```

```
Date: 03/02/2021
                                                             Program No: 23
Output :-
                                                              Aim: Python puogram to display the given pyramid with step
Enter a number: 4
                                                                  number accepted from user
                                                               Lines-int (input ("enter a number: "))
                                                                3-1
                                                                while iz=lines:
                                                                   j=1
                                                                 while j'z=i:
                                                                      temp=i*j
                                                                  paint Ctemp, and = ", flush = Jue)
                                                                   print (" . , end . ' , flush = True)
                                                                   j=j+1;
                                                                   print ( * );
                                                                    i = i +1;
                                                              Result: The peogram has been executed and the output
                                                                       was verified.
```

Date: 03/02/2021 Programs No: 24 din : Python program to count the number of characters in a string def char-frequency (ster): dict = 17 for n on stu: keys - dick. keyses if n in keys: diet Enj+=1 else: dict [n] =1 return duct punt (char-frequency ('hello how are you')) Result: The program has been executed and the august was neifeed.

Date: 03/02/2021 Output : -Program No: 25 dogest word : morning . Ain: Python program to accept a list of words and length of the longest word: 7 return length of longest word. def find (word): wi=[] for m is word: w. append (len(n),n)) w1. soutco result = w1 [-1][0], w1 [-1][1] print (" longest evad:", result (1)) print ("length of the largest word:". result [0]) find [hello : morning , "hi] Result: The program has been executed and the output was verified.

```
Date: 03/02/2021
Output:
                                                            Program No: 26
                                                            Ain: Python program to constant Pattern using nested
                                                                loop
                                                             def starci:
                                                                n=5
                                                              for i in range (n):
                                                                 to j' in large (i):
                                                                     puint ("+", end "")
                                                                  print (" ")
                                                               for i in range (0,0,-1):
                                                                   for j in rang (i);
                                                                       quint ("* ", end = " ")
                                                                       puint (" ")
                                                                starc,
                                                             Result: The program has been executed and the output
                                                                   was recified.
```

2 32	Pale: 03/02/2021 Program No: 27 Aon: Rython program to print factors of a number def print-factors (x): fruint (* The factor of ", x, " are ") for i is range (1, x+1): if x " i == 0: print (i) fruint factors (232) Result: The program has been executed and the output was verified.	The same of the sa

Enter the length of a side of square

Enter the length of a side of square

Enter the value: 2

Enter your value: 4

Enter your value: 2

Enter the base and height of triangle

Enter your value: 3

Enter your value: 2

Shea of square is 4

Shea of sectangle is 8

Shea of triangle is 30

Date: 03/02/2021 Program No: 28 Ain: Python program to write lambda functions to find area of square, rectangle and triangle juint ("Enter the length of a side of square:") 3= int (Input ('Enter your value: ')) paint (Enter the length and breadth of rectangle) l = int (input ('Enter your value:")) b = int (input ('Enter your value:')) print ("Enter the base and height of treangle:) h = int (injut ("Enter your value:")) d: int (ignet ("Enter your value:")) x = lambda 3: 5 * 5 y = lambda lib: l*b 3 = lambda h.d. t : h * d * t print (trea of square is . x (5)) print (Area of rectangle is: g(l,b)) fruint ("Area of triangle is", 3 (h.d.t)) Result: The program has been executed and the output ans verified

Date: 17/02/2021 Output : -Program No: 29 Ain: Python program to display future leap year from Enter final year : 2040 current lear to a final year entered by user. Leap years import datetime 2024 a = datetime datetime navc) 2028 2032 a = int (a year) 2036 b = int (input ('Enter final year:')) 2040 print ("In Leap Years:") for i is range (a, b+1): if (i%4==0): print (i) Result:-The program has been executed and the original was verified.

Original list: [1,-1,2,-5,9,-2,-54,87,-33,-76,24,24]
providere integer list: [1,2,9,87,24]

Pute: 17/02/2021

Program No: 30

Non: Python program to find positive list of numbers from a given list of integers.

list: - [1,-1,2,-5,9,-2,-54,87,-33,-76,24,-67]

pos - list:

for i is list:

4 i>o:

pos. appendio

punt ('original list:', list:)

fruit ('Positive integer list:', pos)

Result: The program has been executed and the

Result: The program has been executed and the output was verified.

Enter first number: 5
Enter Second number: 6
Enter third number: 8
8 is the biggest number

Program No: 31

Aim: Python program to find biggest of 3 numbers entered a=int(input ('Enter first number: '))

b=int(input ('Enter second number: '))

c=int(input ('Enter second number:'))

if a>b and b>c:

print (a,' is the biggest number')

elif b>a and b>c:

print (b,' is the biggest number')

else:

print (c,' is the biggest number')

Result:- The program has been executed and the output was verified.

Cutput:
Enter colors separated by commas: red, black, yellow
first color: red
Last color: yellow

Date: 17/02/2021 Program No: 32

Ain: Python program to create a list of colors from comma-separated color names entered by user Diplay first and last colors.

Colors - (input ('Enter ration separated by commas:'))

· split ('.')

tuint ('fust color:', colors [0])

quint ('Last color: ', colors [len(colors]-1])

Result: The program has been executed and the output was newfied

Output :-

Enter calous separated by commas: sed, yellow, brown Enter colors separated by commas: black, white, green colors in color list, not contained in colorlist 2 are:

['brown', 'sed', 'yellow']

Date: 17/02/2021

Program No: 33

Airs: Python program to print all calou from calar-lists not contained in calar-list-2

(class = set ((input ('Enter color separated by commas:')
.5plit (','))

color 2 = set ((input ('Enter colors separated by commas:')

· 4plit (','))

print ('colars in colar list! not contained in colar list?

are: ', list (colors! difference (colors))

Result: The program has been executed and the output was verified.

Output :-Enter length of the rectangle: 4 Enter bradth of the rectangle: 3 Perimeter of rectangle of sider 40 and 30 is: 14.00 units Enter the radius of the circle: 2 Eucumpaince of rude with radius 20 is: 12.56 units Enter length of the suboid :5 Enter breadth of the cuboid: 4 Enter height of the subsid :3 Princeter of suboid with dimensions 50, 40, 5.0 is 48.00 units Enter the radius of the sphere: 2 primeter of (great circle of) sphere with radius 20 is 12.56 units. Enter length of the rectangle: 2 Enter bregth of the rectangle: 3 Thea of rectangle with sides 20 and 3.0 is: 6.00 sq. unit Enter the radius of the circle: 4 Area of sincle with radius 40 is 50.24 sq. unte Ender the length of the cuboid: 4 Enter breadth of the suboid : 7 enter height of the cuboid: 2

Date: 17/02/2021 Program No: 34

Airs: Python ruggian to create a package graphics with modules rectangle, circle and sub-package 3-0 graphics with modules reduced and where Include methods to find area and parameter of respective figures in each module. Write programs that find area and parimeter of figures by different importing statements.

Circle py

def area(1):

print ('Area of circle with radius', n, is: ', 1/2 2 1/2 (3.14 + 2 + 2).

' og units')

def circumfuence (x):

fuint ('circumfuence of circle with radius', x, is:', 'X.2f' *

'(3.14 * 2 + x), 'unit')

rectangle py

def over (a, b):

frint ("three of necturgle with sides" a "and", b "is:",

"%.2f" (a.b) . "squarits")

def perimeter (a, b):

print ("Perimeter of rectangle with rider", a, and ', b, 'es: ',

'4.2f' % (2 * (a+b)), 'uncls')

Johal surface onea of arboid with dimensions
40, 70, 20 is 100.00 sq. units
Enter the radius of the sphere:1
Area of where with radius 10 is 12.56 sq. units.

sphere py det area (r): print (Area of sphere with radius ', 1, is: 1, 1%.21% % (4 * (3.14 * * *)), bq. units') def perimeter (a): point (Perinetee of Cquat circle of) Aphere with radius. , 1, 2: ', %.2f " (2*3.14 x h), " units) cuboid . py def area (l,b, h): print ("Istal surface area of cuboid with dimensions." h. ', b, ', , ',h,' is: ', % 2f' % (2+(Cl*b) +(b*h) + (k*h))), 'sq. unito') def perimeter (l, b, h): print (puineter of cuboid with dinemions ", l, ", b, ", h, "is: "%.2f" (4x (l+b+h)), units) Find Perimeter . py impart circle from rectangle imparts * from Graphics 30-graphics import cubaid, inhere a: float (input ('Enter length of the rectangle:')). b= floats (input ('Enter breadth of the rectangle: ')) perimeter (a,b) 1 = float (input ('Enter the radius of the circle:'))

circle . circumptrence (1)

l= float (input ('Enter length of the cuboid:'))

h= float (input ('Enter breadth of the cuboid:'))

b= float (input ('Enter breadth of the cuboid:'))

cuboid. perimeter (l,b,h)

n= float (input ('Enter the radius of the sphere:'))

sphere. perimeter (r)

Find ALEA. Py import circle from rectangle improve + from Graphics. _ 3D-graphics import cuboid, sphere a = float (input ('Enter length of the rectangle: ')) b= flaat (input ('Enter breadth of the rectangle:')) area (a, b) 1= float (input (Enter the radius of the circle: ')) sucle area (1) l= float (input ('Enter the length of the cuboid: ')) b = floats (input ('Enter the breadth of the cuboid:')) h = float (input ('Enter the height of the ruboid:'))
cuboid area (l,b,h) 1= float (input (Enter the radius of the sphere:)) yhere area (1)

Result: The program has been executed and the output was verified.

Output :-

Rectangle with length = 9 and breadth = 3 has the greater area.

Date: 17/02/2021 Program No: 35 Ain: Python program to weath rectangle class with ratherholder length and breadth and methods to find area and porineta compare two rectangle objects by their area class Rectangle def -- init -- (self, l.b): self. length = 1 self. breadth - b def area (self): return self. length & self. breadth def perimeter (relf): return 2 + (self-length + self. breadth) def comp (self, obj): if self-areacs > objectes: puint (Rectangle with length = relf-length; and breadth =', self breadth; has the greater area') elif self araci > obj. araci: print (Rectangle with length = 'obj. length, ' and breadth = ', obj. breadth, ' has the greater area')

print (They have equal area!)

11. Rectangle (9,3) 12. Rectangle (3,4) 11. Cmp (12)

Result: The program has been executed and the output was verified.

```
Enter account number: 009009090909
Enter name of the account holder: John
Enter your balance: 100000
Enter amount to deposited: 300000
Enter amount to deposited! courset balance is Rs. 400000
Enter amount to withdraw: 5000
Rs. 5000 withdrawn! courset balance is: Rs. 395000.0
```

```
Date: 17/02/2021
Program No:36
din: Python program to wate a Bank account with
     members account number, name, type of account
      and balance write constructor and methods to deposit
     at the bank and withdraw an amount from the
    bank.
 class Bank Account:
      def -- init -- (self, a, h, t, b):
       self. acno=a
       self. name = n
        self. type = t
        self. bal = $b
      def deposit (self, a):
            self.bal += a
            print ('Rs.', a, 'departed! Correct balance is Rs.',
             self, bal)
      def withdraw (self, a):
            if self.bal >=a:
                self. bal - = a
             print (Rs.; a, withdraw! covert balance is Rs.
             self. bal)
            else:
              pint ("Insufficient balance to make this transport")
       a = int (input ('Enter account number:'))
       h = input ( Erder name of the account holder : )
```

t= input ('Enter account type:')

b= float (input ('Enter your balance:'))

acr = Bank Account (a, h, t, b)

acr. deposit (float (input ('Enter amount to deposit:')))

acr withdraw (float (input ('Enter amount to withdraw:')))

Result: The program has been executed and the output was verified.

Output:Rectargle with length = 9 and breadth = 3 has the greater area.

```
Date: 17/02/2021
Program No: 37
Ain: Python program to create Rectangle class with attributes
     length and breadth and methods to fird area and
      perimeter, compare 2 Rectangle objects by their area.
class Rectangle:
       def -- init -- (self, l, b):
           self.length = l
            self. breadth = b
         det area (self):
             return self. length * self. breadth
          def perimeter (self):
              return 2+ (self length + self breadth)
          def cmp (self, obj):
                if self. area () > obj. area ():
                  paint (Rectangle with length = ', self length,' and
         breadth = ', self. breadth, ' has the greater area')
                elif self areas 2 obj areas:
                     puint (Rectangle with length = ', obj. length
           'and breadth = ', obj. breadth , 'has the greater area')
                   print ('They have equal area!')
```

n1 = Rectangle (9,3) n2 = Rectangle (3,4) M. cmp (12)

Result: - The program has been executed and the output was verified

Output:

Enter length of 1st rectangle: 7
Enter width of 1st rectangle: 8
Enter length of 2nd rectangle: 8
Enter lenth of 2nd rectangle: 7
They have equal area!

```
Date: 17/02/2021
Program No: 38
Ain: Python program to create a class Rectangle with
      private attribute length and width Overland 2 operator to
     compare the area of 2 rectangles.
 class Rectargle:
       def.init. (self, l, w):
          self. - length = 1
          self .- width = w
          self. area = self. _ width * self. _ length
        def -- It - (self. other):
             if self. area < other area:
               twint ('Rectangle with length = ', self. - length,
       and width = ', self - width, 'has the luser area!')
              elif other area < self-area:
                  print ('Rectangle with length = ', other . - length ,
           and width = ', other . - width, ' has the lesser area!')
                  print ('They have equal area !')
            l = float (input ('Enter length of 1st rectangle: 1))
            w = float (input ('Enter width of 1st rectangle: ))
```

R1 = Rectargle (l.w)

l= float (input ('Enter length of 2nd rectangle:')) w = float (input ('Enter width of 2nd rectangle:')) $R_2 = \text{Rectangle (l,w)}$ $R_1 < R_2$

Result: The program has been executed and the output was verified.

```
Output:

Book title: Programming with Python

Author: Gov Rossum

Publisher: ABC Books

Price: 565.9

No: of Pager: 250
```

```
Date: 17/02/2021
Program No: 39
Airs: Pythos programs to weate a class publisher (name).
     Derive class Book from Publisher with attributes title
    and author Derive class python from Book with attributes
    puice and no-of-pager write a program that displaye
   information about a python book we base class constructor
  invocation and method overloading.
dars publisher:
     def - irit - (self, rame).
     self. name = name 1
     def. show (self):
       pair
class Book (Publishee):
      def-init- (self, title, author, name):
       self. title = title 1
       self. author = auethori
publisher. - init - ( self, nami)
def show (self):
    han
class python (Book):
     def - int - (self, P, no , titles, author), names):
     self. pice = P
```

self. no- of - pager = no Book - init - (self, titles, authors, names)

def show (self):

puint ('Book title:', self. title)

huint ('Author:', self. author)

print ('Publisher:', self. name)

print (Price : ', self-price)

mint ('No: of nages: , self. no- of-pages)

PI = Python (565.90, 250, 'Programming with Python,' Gev Rossum'.

'ABC Books')

Pr. show()

Result: The program has been executed and the output was recipied.

Output:['A trailer is a vehicle designed for carrying bulk material often on building states by They are distinguished from dump trucks by configuration: a dumped']

Pate: 21/02/2021

Program No: 40

Acm: Python program to read a file line by line and store it into a list.

de file-read (fname):
 with open (fname) asff:
 # content_list is the list that contains the read lines
 c = f. readlines ()
 print (c)
 # print (len(c))

file-read ("Jemo.txt")

Result: The program has been executed and the output was verified.

Output :-

They are distinguished from dump trucks by configuration a dumper is usually an open 4- sheeled we hicke we the load ship in front of the driver

Date: 21/02/2021

Program No: 41

Airs: Python Program to copy odd lines of one feles to other

a = open ('demotxt'; 'u')

b= gren ('t.txt','w')

c= a. readliner()

for i in range (o, lenco):

if (i % 2! = 0):

b. write (ccij)

pass

b. clase co

b = open ('t.txt', 'i')

de bread ()

puint (d)

a. close ()

b. clare ()

Result: - The program has been executed and the output was neified.

Output:

[11, 121, 13], [23, 25, 56], [35, 30, 30], [31,40, 56],

[71, 25, 55], [10, 10, 40], [25, 30, 30], [21, 40, 56],

[71, 25, 55], [10, 10, 40],

Pate: 21/02/2021

Purgum No: 42

Aim: Python purgum to read each row from a given est
file and purt a list of strings.

Import cov

with open (temp.cov, newline = ') as confile:

de = con reader (confile, delimiter = ', quotechar = 1')

for a in d:

trust (: ', join (as))

Result: The program has been recented and the

culpret was recified.

Date: 21/2/2021 Output Program No: 43 Aim: Python program to read specific raturn of a given cov Department Name file and print the content of the calcums impart csv with open ('dep.csv', newline=' ') as csvfile: d = csv. Dictreader (csvfile) print ("ID Department Name") quint ("_____") for ind: print (& ['ralue']. & [data]) Result: The program has been executed and the output was verified.

Output :-, duranne collers, The Hunger Games 2, JK Rowling, May Guard Ree, Harry Potter and Philosopheres s 3, Altephenie Meyer, Twilight

Date: 21/2/2021 Peogram No: 44 Ain: Python program to write a python dictionary to a csylle After writing the confile read the confile and display the content. impact cov field_name = [best-book id', 'author', 'ouginal-title'] book = [{ best-book id: '1, 'authors': 'suganne Collier', 'original-title' "The hugger gamer's, & but-book-id '12, 'authors': " J. K. Rowling. Mary Grand Pre', original title : Harry Rotter and the Phospheres Stone ? [best-booked : 3; authors : ' stephenie Meyer', original-title Twilight '3,] with open ('cresv, 'w') as esville: writer = csv. Dicturda (csvfile, filenames field - names) criter wroter header () writer writerous (book) cuth open (c.csv', newline-') as csvfile: d= csv. reader (csvfile, delimiter, '1') tou n in d : tuint (',', job (2))

Result: The program has been executed and the output was recified.