Program 940:1

AIM: Python peogram lo find ouea

def cuea (s):

Pi=3.14

detuen Pla (8x8):

peint ("trea is 1.61" 1. area (nums);

Result: The program has been executed and the output cons veinfied.

Enter the value for :3

Peogeans No:2
AM: Perthon peogeam to find largest among three numbers.
nami = flood Canpart C'Enter the fiest
numla:")
nums = Place Central CEnter the second number?
nam3= float(inpat("Enter the third number:"))
11 Sand (num 1>num3):
largest=numi
largest=numi ely (numo>numi) and (numo>num3):
largest = nama
else 1 - 1 - Dum3
Deint (The largest number is ", largest)
Devell. The program has been executed an
paint (The largest number is ", largest) Result: The program has been executed and the output was verified.

Enter the second number: 3
Enter the second number: 3
Enter the third number: 3
The largest number is 8

Program No:3 AIM: Pothon peogram le find organe.

diget = ent Compat ("Enter an integer number:"))

square = digit *digit

peint ("square of Edigit3 is Esquare3"

Result: The peogram has been executed

output .

Enler an intèger namber: 3

Program No: 4

AIM: Pothon program to find area of cucle.

Grow math empail pi

8= flood Central the eachers of the circle.

piend ("The crea of the cucle could ender + ate(s)+"is:"+sle (pix xxxx))

Result: The peogram has been executed and the output coas veinfied.

Input the earlies of the cucle:4
The cuca of the cucle with eaders
4.0 is: 50.2654

- The continue of the second distance

E oli carante

ner modlight min

Program No:5

AIM: Python peogram le find oguare

[2,3,8,6,2] = [tel

for n in list:

paint (n, oquared is "oguare)

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

lugtuo

14 Agraned is 196
20 Agraned is 400
13 Agraned is 169
8 Agraned is 64
6 Agraned is 36

Peogeam Mo:6 AIM: Pothon peogram la final vocale in a string. string A = "Hello... how are gou" pearl ("Crivier steing: In", steing A) vowels = "AEBET: Oovu. ues = sel ([each for each es string A if each in rowds]) peint ("The vowels present in the sleanig: In" ees)

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

Criver ating:

Hello... how eve you

The vowels present in the seling

war is busy

2'u', 'a', 'e', 'o'3

Am. Python peogram la court coords in a sehlence. def coald-coard (ate): courds = did() words = ale splet () for word in words. if would in counts: counds [word] +=1 counts [would] = 1 selver counts peint Coard Count Charge the she getality of your file sometimes Result: The program has been executed and the

THE CHARLES Output 2 'when': 1. 'gou': 2, 'change': 2, 'she's

'quality: 2, 'of': 2, 'goue': 2, thinkung':

'life': 1. 'sometimes': i, 'enstanty': 13 - 13 /3 12 13 A - E 30 13 A Bridge of the state of the stat Carrier in during the property of the property o The state of the s * 18 The last the las

Program Alo: 8 AMI: Python peogram to courd a in a=['aeya', 'aeun', 'keesthe', 'marai] eound=0 que en en ale1: if i = 'a': court = count 1 paint ("court of a in the lest is:" + ste (court))

Result: The peogram has been executed and the output cous verified.

· Output.

count of a in the list is:3

T THE MANAGESTS

TOWNST MAN

and the same of the

- mbsb=chuns

: When the business with

32 14 15° 13 15 15 15 1.

r + herallalason

the state of the state of

10/10/03/00/03

AIM: Pothon peogram to check the length of lists

list = [10,10.11, 12, 12, 13,14,16,15,16,12]

list = [16,12,13,14,15,16,10,11,12,10,12]

len = len(list)

len = len(list)

il len == lene:

if len:==lens:
peint ('both list have egaal longthi)

Else:

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

Result: The peogram has been execute and the output coas verified.

both list have equal length.

west ! when i down i in pun i | 10

Canony 3 - 12 1/2

Library . hums

with the one of he had been

Character to the second se

Paggeans Mo:10 AM: Pothor peogeam to check the sam of lists. list 1=[10,10,11,12,12,13,14,16,15,16,12] list a=[6,10,13,14,15,16,10,11,10,10] total 1 = scurs(listi) Lokal a = Dam (dista) if Colal == lolal 2 paind (both list have egged sum') else: peirel ('both list doesn't have equal

Result: The peogean has been executed and the output coas verified.

Polar Carygall Carper both list have equal ours. GINTER, MERCELLINGIONOIL IEEL [51 11 54 11 61 61 61 61 61 61 51] - 6 201 Calua ont and : cook word he

Program No: 11

AIM: Python program to check the commo elements in the list.

List 1 = [10,10,11,12,12,16,22,83,44,22]

list 1 = [10,10,11,12,12,16,22,83,44,22]

list 2 = [10,10,11,12,12,16,22,83,44,22]

fere value en list:

if value en lista:

common = 1

if common == 1: print ("There are common elements")

else:
pient ("no common elements")

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

there are common elements

- Commence of the Charles of the Contract of t

more codifications

[01 01 01 01 01 01 01 01 01 01 01 0] - 0 lo

aran and all total

Colonidania o Lasi

with deal Deven

The state of the s

AM: Postbon peogean la réplace a character.

def change-char(ati):

char=ati10]

ati1=ati1.eplace(char,'\$')

ati1=char+ati[i:]

print (change-char('refeet))

Result: The peogram has been executed.

Output: The the election Sel test

Program No:13

AIM: Python program to exchange the fuel and last letter in a astring.

def charge_aling (abi):
ectur abi[::]+abi[::-]+ali[::]
paint (charge aling (pineapple))

Result. The program has been execut and the output was verified.

elocucion.

erneapplp.

Programs Mo: 14

AIM: Pethons programs to merge a

didionaries.

def merge (did, did)

return (dud) . update (dud))

did 1= 2'a':10, 'b':83

diel = 2'd':5, 'c':03

print (merge (did), did))

print (did)

Result: The peogram has been executed and the output was veinfied.

None

3'd':5,'c':2,'a':10,'b':83

Thomas Tide out

Program Mo: 15 Aim: People people on to ascend and decent ductionary impost operator d= 21: 2,3:4,4:3,2:1,0:03 pient ('original dictionary: 'd) souled d= souled Cdidens co, key=operatu. ilongetter (1) pierd (Dictionary is ascending beder by souted de did (souted Cd etems), key= operator ilengeller (i), reverse = True) peint (Dectionney in descending order by Result! The peogram has been executed and the output was verified.

Cutpul Original cliet ionary: 31:2,3:4,4:3, 2:1,003 Dictionary in eiscending order l value: [Ca,o], (1,3),(4,3), Dictionary in descending arder by
33:4,4:3,1:2,2:1,0:03.

Program No:16

AIM: Python program la remove even
numbers from the list.

List = [11,22,33,44,55,66,77,88,99]

puint Clist)

for i in list:

if (i 1.2=0)

list. semove(i)

peint ("list after semoving:", list)

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

[11,00,33,44,55,66,77,88,99]

T codlist ma

list after removing: [11,33,55,77,9]

Trivarios Loppins hour

THE PARTY OF THE P

Paggian No: 17 AIM: Python peogram to find god of rember def gcd (a, b): if (b==0): edan a return gcd (b, a.1.b) a=45 b=65 of (gcd (a,b)): peend ('aco of', a, 'and', b, 'is', gcd (a,b)) else: paind ('not found') Result: The peogram has been execut and the output was veryied. aco of 45 and 65 is 5

Peogram No:18 AM: Poston peogram la find factorial sur= en Cerput ("Enter a number:")) ferdosial = 1 if numco: peint ("Sony, factorial closs not exist for negative numbers") elif num == 0. print ("The factorial of o is ") farier earge (1, roum+1): farelouise = farelouise * i print (vothe fereland of ", rxim, "is", Result: The peogram has been executed and the output was verified.

Enter a number :5 The factorial of 5 is 120.

431.133 Ansp. 1933

Program No:19 AIM: Peghon peogram le find feloraci def reccus- gebo(s): A De= 1: edius n setuens = int Cinput ("How many teems?") of return <=0: peint C"Please enter a positive intégée) peint ("Fiboracci sequence:") peint (relain- filo (i)) Result: The peggicum has been executed and the output was verified.

alput

Pacilly P

How marg lems? 2

Program No: 00 AM: Polhon program la perform aling fundion. def add- sting (ale): length = len (abi) if length >1: if ab: [-3:] = "ing": 3101+= 'ly' ate 1+='eng' selvin shi Peint (add-aling ('do')) peint (cold along ('according')) Resuld: The peogram has been executed and the output was verified.

doing

Program No:01

AIM: Peghon peogram la performa

numbers = [1,0,3,4,5,0,5]
sum = sum (numbers)
print (sum)

Result: The program has been executed

22.

Peoglam No: 22 tio: Postson peogram la find perfed even aquare numbers en er range num: end (input ("ente a number:"))
nums: end (input ("ente a number:")) for it in large (num 1, num 2+1): bou i en earge (32,100+1) ef i jaj: sling = ali[i] of ent Catering [0])1.0==0) and int (alung[1]/2==0) and int (alieng [a] 1. 2 = =0) and ent (aleung [3]/2==0). pent (i) Result: The program has been executed and the output was verified.

Cupul

Enter a number: 4444 Enter a number: 9999

6084 6400 8464

Program No: 23 tim: Python peggram to deplay the gives pyramid couch step number accepted from ever lence = ent (input ("Enter a number:") cobile ex= lines: J= (j=1 cossile (j =): lemp = iaj peurl (demp, end = '; blash = Taue) peint (" ", end = ", flush = Teue) pend (" i) 1=1 Result: The program has been executed and

the output was verified.

enter a number:4

١

2 4

3 6 9

4 8 12 16

Peogean No: 24 tim: Peghon peogram to court the number of characters en a string det char frequency (ali): did = 3 3 que o in ster: keys = ded. keys () diet [s]+=1 ded [D] = 1 selves die peint Char-figuerry ('bellow how are god) Result: The program has been executed and the output was verified.

Output. 3'b': 2, 'c': 2, 'l': 2, '0': 3, '': 3, 'w' 'a':1, 's':1, 'g':1, 'v':13

Airo: Pethon peogram la accept a list of words and ection length of longest would. def find (would). []= [0 que or in coord: cal append (las(n),n) lesult = wl[-][0], wl[-][] peund ("longest woord: ", result [1]) paint ("length of the longest courte", find (["bello", "maning", "bi"]) Result: The peogram has been executed and the output was verified

Oulput. longest word: mosnerg length of the longest woul:7

Program No: 26 tio: Pethon peogram to constant pullen wing nested loop. def starco: que i in eange(n): que j in earge (i): peint (" * Pend = " ") peint (" ") que in en large (0,0,-1): que (jus large (i): peend ("a", end = " 11) peurl (" ") slac)

Result: The program has been exceented and the output was verfied.

Cupul

0X

ex ex

ex ex

or or or or

课 改 改 改

EX EX EX EX

or or or

OK OK

ex

Peogean No: 27 . tin: Python program la peint factor of a number. def peint-factors co: paint ("The factor of ", xx, " are:") der is in recorde (1,2041): if x / i==0: peint (i) peint-opulous (232) Result: The projectors has been executed and the output coas varified.

The doubous of 232 are:

dy

Program No: 28 Airo: Polhon peogram la conte lambda functions la find avec of peind C'Enler like length of as sick of Dequare: 3= ind Cinpat ("Enter gour value:")) print (enter the length and lucadth of ecclangle:") l=int (enpart ("Enter goue value:")) b= enl(anpal ("Enter good value:")) point ("Enter the base and height of lucingle") b= end (input ("Enter your value!))
d= end (input ("Enter your value!))

y=lambola o: sas:

y=lambola l. b: lab

1=0.5

z=lambola b.d.l: badad

peind ("thea of agrane is": x(o))

peind ("thea of reclargle is "g(hb))

peind ("thea of leiangle is ", z(b, old))

Result: The peogram has been excultoned and the output was verified.

Enter the length of a side of square

Enter your value: 2 Enter the length and breadth of recting Enter gois value: 4 Enter you value: 2 Enter the base and height of leing Enter good value:3 Enter your value: 2 trea et oggicule: 4 thea of rectangle:8 teea of terangle:30

tin: Python peogram to display future leap years from current years to a final year entered by area.

import datetime

a = int (agear)

b = int (inport ("Enter final gear:"))

peart ("In leap gears:")

for i in earge (a,b+i):

if (i./.4==0):

peard(i)

Result: The peogram has been executed and the output caus verified.

Enter final year: 2010 Leap years:

Program No:30

No: Potho program to generale 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()

pos=list()

for i in list:

if i so:

pos. append(i)

pind ('Osiginal list: list!)

pend ('Positive entèger list: ', pos)

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

Ochpal

aginal list: [1,-1,2,-5,9,-2,-54,87,-33,-7

positive enlègee lest: [1,2,9,87,24]

The second of the second of

Peogean No:31 tin: Peghon peogram la find biggest a=ind Cenpid ('Enter 13d no: 1) b= end (input ('Enter ord no:)) c=ent (input ('Enter 3 ed no:')) of asb and bx: pient (a, 'is biggest number)
elif bac and bac:
print (b, 'is biggest number) paint (c, 'es the biggest number) Result: The peogram has been executed and the output was verified.

Enter 1st no:5
Enter and no:6
Enter 3rd no:8

8 is the biggest number.

Program Alo: 32

tion: Posthon peoplem to create a list of colores from comma- separated colores names entered by area. Display first and last colores.

colors = Cinpar ('Enter colors expercited

by commas:)). split (',')

paint ('Frist color: 'colors ['o])

paint ('dard color: 'colors [les (colors)])

Resald: The peogram has been executed.

enter colous eseparated by comme

Part colos red.

dast color: gellow.

Program No: 33

tios: Peghon peogram to prient out all colour from colour lists not contained in colour lists.

colous = art ((input (Enter colous
seperated by commas:)). split(;))
colous = set ((input ('Enter colous
seperated by commas:)). split(;))
peurl ('Colous in colou-list's nod
contained in colou-list's nod
lest (colous i difference (colous)))

Result: The peogram has been executed and the output was

enter colors apperated by commander soler colors apperated by commander black, while colors in color-list not contained in color-list are [brown; 'secl', 'yellow

Pagean No: 34

tim: Python peggiam to create a package graphics with modules redangle, and and sub-package 3D-graphics with modules cubind, and aphere.

Include methods to find area and permeter of respective discress in each modules. Write programs that find area and permeter of figures by different impecting statements.

def avea (i):

Paint ('Avea of circle could radius',

2'is:','1.21'., (3140000) og, could)

del concrevationessos: print C'accompenence of cuele coats eciclus: 'e, 'es:", '. of L/ (8140000), Cents" seclougle. Pg def area (a,b): paird C'xhea of ecclorage with side, a, and b, les: , Pol'/ Cinb), 'org circle') def perimeter Caid: paint l'Perimeter of rectongle cook aides', "a", 'and ', b, 'is: ', '/. of' 1. (ar (a+b)), 'cirils') Sphere Pal def areals): peerd Chiece of appear could earliers;

8, '93:1, 1.201.1. of 1. CHA (314 @ 810) 'esq. circles) def pendeler Co): pent (Permeler of Great circle of) exphere couch radius 1, 0, 'is 1', 1.1. of 1.1. (0x3.14x8), circle) cuboid py def area (1,b,b): peur l'Total osuface acea of cubid 'is: '. '. / of', / Cox ((1+b)+ (bab)+ (Jab))), 'og ciruls') def permeter (1,b,b): paind (puemeter of cuboid with diamentions: ',l, ',',b, ',',b,'is',

1.1.0+1.1. (413 (1+6+6)), 'circle') Find Perimeter. py import cucle from sectangle empail a from Creaphies. 3D. graphies empout cubaid, ophere a= floct (enpert E'Enter length of the sectorgle:)) b= flood (enpert ('Enter breadth of the sectorgle: 1) perineter (a,6) 8 - float Cinput C'Enter the eadless of the cuide: 1) cucle. cucum perence (8) I = food (input Enter length of the cubid)

b= Ploatinped (Enter breadth of the ((i: biodus) b= flood Cinput C'Enter beight of the cubaid: cuboid peremeter (libib) r= float Cenpert C'Enter the eachus of the ophere: 1) ophere. perimeter (8) Find Lea py emport cicle gon rectangle empored a gom Creaphies_30-geaphies empost cuboid, sphere

a=fload Cinput (Enter length of the sectorge:)

b= flood Cinpad C'Enter breadth of Abre reclangle: 1) area (a,b) d = block Cirpul C'Enter lbe eacheus of the cucle: 1) cucle. cueals) l= flood Cirput C'Enter the length of the b=float Cinpat (Enter the breadth of The caboad: 1) b = flood Cinput ('Enter the height of the cuboid:)) cuboid area (libib) o= flow Cenpul C'Enter the eachies of the ophere : 1)

appear area Go)

Result: The peogram has been executed and the output was

Ochpul

Enter length of the ecetangle:4 Enter breadth of the rectangle:3 Permeter of rectangle couch aides 4.0 and 3.0 is: 14.00 ands Enter the eadins of the curle: Cucumference of circle with eader 0.0 is: 12.56 circle. Enter length of the cubaid:5 Enler breadth of the cuboid: 4 Enter beight of the cubaid. 3. Permeter of caboid with drament 8.0,4.0,3.0, is 48.00 ceruls. Enler the earlies of the appeir:

Perimeter of (great auche of) appear with eadins 20 is 1256 unit Enter length of the rectangle:0 Enter breachth of the rectingles thea of rectangle could side on and 3.0 is: 6.00 og ceruls. Enter the eadins of the cicle in diea of circle with eaders 401 30.04 39 cinits.

Enter length of the cuboid: 7
Enter beight of the cuboid: 7
Enter beight of the cuboid: 3.

Total sufface area of cuboid with diamentions 40,70,20 is 100.00 sq; units.

Enter the eadins of the aphere:

Nea of sphere with eadins 10 is

12.56 sq. circle.

got comb (agl. op): if oelf. area () sabj. cuea(): purd (Reclangle couth length = ; self length, and ! bread the! bas the greater area! chef self- cueaco > cobj. cueaco: paint (Reclarge cails length=; Obj. length. 'and breadthe! abj. breadth, bus the greater asea') pient (They have equal area!) 20. seclargle (9.3) XI. comp(Sis) Result: The peogram has been excubil and the output com verified.

Calpat (35) Reclangle could length = 9 and breadth = 3 how the greater are Torrest of the said and of the object of their the said bear all the said

Program No: 36.

him: Pethon peogram to create a bank account couth members account number, name, type of account and balance. Write constructor and methods to deposit at the bank and caithdraw an amount from the bank.

class Bank Account:

def-ind-Cselfiain, 1, b):

self-acno=a

self-lype=1

self-lype=b.

def deposid (self, e): solf. bull = a. peint ('Ro.', a, 'deposited! current balance is Rs', self. bal) def withdraw (self, a): if self-bal = a: self bal -= a peint ('Rs', "ci, could deaven! covered balance is Rs. ', Oself-bal) peent Consufficient balance la make this beauciclion!") a= ent Cinput C'Enter account number. 1) n=infail ('Enter name of the account holder:') de enpoil C'enter account lype:

he Placed Carped Center, your balance:))

act deposed Cylocal Carped Center amount

be deposed: 1)

act withcleas Cylocal Carped (Enter amount

be coidhcleas Cylocal Carped (Enter amount)

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

Output:

Enter account number: 00900923213
Enter name of the account holde:
Karthit.

Enter account type: Dervings.

Enter your balance: 100000

Enter amount to deposit : 300000

Rs. 300000.0 deposited: current balance
is Rs. 400000.0

Enter amount : la withdraw: 5000 Rs. 5000.0 con eth drawn! Carrent balance is: Rs. 395000.0 Program No: 87. tio: Pothor program to create rectife with attributes length and breadth and methods to find area and perinde. Compare à rectargle objets by their area. class Reelangle: def-inil-Coelf, l,b): self-breadth=b def are Carlf: eclour self. length a self breadth def permeter Coeff: selven aa Coelf. lingth+ self. breach def cop(self, obj): if self. area (Toobj. cueac):

paint ('Rectangle widh length: !

self length, 'and breadth: !

self breadth, 'has the greater

area i).

elif self. aveci() < obj. aveci():

piurd ('Rectangle coidh length:',

oly. Length. 'and breadth:',

obj. breath, 'has the greater

arear)

olse:
paind ("They have equal area!")
or = Rectangle (913)

83 = Rectangle (3,4)

81. enop Coa

Result: The program has been executed and the output ear veryied.

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

Program No:38 tio: Pethon program la create a class rectangle and prevate attitute length and coid b. Overload '2' operator to compare the area af a sectangles class Reclangle: def- enil- (oself. 1, w): oelf. length = 1 self. width=w self area = alf could ba self-leigh def-id- (self. other): of oelf. areazosber. area: paind ('Reclangle with length=', self-length, and width?

well-width, bus the lesser

auea!i)

dif other = aveal only avea:

paint ('Rectangle couth length='
other - length 'and width="
other - coulth,' has the lesser

area!').

paint (They have equal enea!) l = float Canpat ('Enter length af 1 st redangle: D) w- float (input Center wordth of 15d Ri = Rectangle (liw) l = flood (input (Enter length of ord sectorigle:)) 10= float (input ('Entre could's of and ecclargle:'))

Ro= Rectangle (1,00)

RILRO the state of the s Result: The peogeans has been executed and the output coas verified Output)

Enter length of the 1st rectangle: 7
Enter could be 1st rectangle: 8
enter dength of the ord rectangle: 8
Enter width of the ord rectangle: 8
They have equal area!

Program No: 39

tio: Pethon program la create a das publisher (name). Deive class book from publisher could atteibules little and author. Derive class pophon from book with attibutes price and no-of-page Weste a peogram shot desploys enformation about a python book. Use base class constituébre envocation and method overeiding.

def-init-Coeff, ramei):

self. name=name:

def show Coeff:

pass.

class Book (published: def-ind-Cact, title 1, author 1, namei): self little : little 1 self. author = authors Publisher_init_ (self, namer) def show (self): Class python (Book): def- end- Coeff, P.DO, Lille 1, authors, peint ('Book little', self, title) peint ('duthou: ', self. authou) peind ('Publishes:', self name) paint (Price: 1, self puce) peind ('No of pages: ', self-no. of

Pi=Pghon (565.90,250, 'Programming widh pghon', 'av Russum', 'ABC Books)
Pi. show()

The state of the second

115 The state of t

il the said brokeles and

The state of the s

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

adpul

Book little: Programming with python.

Author: Civ Rossum

Publisher: ABC books.

Paice: 565.9

No of pages: 250

tino: Peghon program la read a que line by line and alose it into · def file - lead (Iname): coids. open (Incume) dest: # content_list is the list that contain the read lines. c= l. readlines () pund (c) # pund (les (c)) tile read ("demo. lend")

Result: The peogram has be excented and the aspect was verified.

adpal

Et tearles is a vehicle design for conservery but material, often in building states in; 'They are dislinguished from dump linets by configuration: a damped!

Program No: 41 tin: Posthon peogram to copy odd lines of one file to other. a= open ('clemo. dod', 's') b=open ('d. fad', 'w') c= a.eadlines() for is in earge (o, des (c)): if (i1.0!=0): b. weste (CCi) else: pass b. close() b= open('d. Ind', 's') d= b. sead () Paint (d)

b-closec)

Rould: The program has been exceeded

Output.

They are dustingues hed from dump leachs by configurations a dumper is assuably an open a sheeled vehicles could the lea ship in food of the clearer.

Program No: 42.

tim: Pothon program lo read each row from a given as file and print a list of strings.

impout cov outs open ('lemp.cov', newline=')
as cov file:

d=csv. reader Covfile, délimèles.",
quo labor = "1")

for o in d:
peurd ('i'jain (0))

Result: The peogram has been executed and the output cons verified

Capal

"[21, 12], 13]", "[33, 25, 56]", "[35, 39,8]"

"[21, 12], 13]", "[33, 25, 56]", "[19, 19, 40]"

"[11, 12], 13]", "[33, 25, 56]", "[35, 30, 30]"

[21, 40, 50]", "[71, 25, 55]", [10, 10, 40]"

Program Mo: 43 din: Pothon peogram la read apentir columns of a given csv file and piend the content of the columns impost esv with open ('dep.csv!' new line = ') as d=csv. Decl Reader (sv file) pand ("TO Department Name") que à in d: Peint [o ['value'], o ['data']) Resuld: The program has been executed and the output verified.

Output

il morpour contrat Deparment Name. and the state of the second

Peogram No: 44 Min: Python peogram to coule a python ductionary to a csv file.

After coenting the csv file read the and display the content. impost csv field_names = [best_book_id; 'cuthous: 'airginal. title!

'The hanger Crames'3, best book id! 1, 'authoris': 'IK Rouling Mary Creand Pie', 'Original - Little': 'Havey Pottler and the Philosophers Sone 3,

best book id': 3, 'cuthous: 'slephonine meyer', 'original - little': 'Twilights,' with open ('ci.csv', 'w') as csvfile: coenter = csv. Diet winter (csvfile, fieldnames=field_names)

cointer = cointe haader ()
cointer = cointe nous (book)

with open (ci.csv', newline: ') as cav d= csv. seacles (csvfile, delimeter= '1') fee v in d: pend (','.jain(o))

Octopal

best book id, authers, ariginal. I 1, Suganne Collins. The barger Com 8, "S.K. Rosaling, Mary CreandPre! Hass Potter and the Philosopher. 3. Stephanie Meyer, Two.light.