Program No-27

Almo: from a list of integers, create a list removing even number?

Program

118t = [11,22,33,44,55,66]

point ("Original list")

point (list)

for 1 in list:

if (10/0 2 == 0):

list nemove (i) point ("list after remound on even number:") point (list)

Result

The program hos been executed and owher was reafied.

(61,00) pain-1, " : 61 (00,00) sippromation poly) take?

properties to more the chipper to firethere

orginal list

[11,00,33,44,55,66]

list after removing an even numbers:

[11,33,44,55,66]

list after removing an even numbers:

[11,33,55,66]

10/4 081: 10/ 10/01 . Disapons = 1000-5 not after removing an even nambers: DAK DOLD THE CONDON LIDEN BELLDOOLE DONG -S

[11,33,55] 1009-1" :et (61,00,00) signafier fo resembler former)

Program No-28

Amo: Display fature leap years from carrent year to a final year entered by the user.

program

import datetine

a = dovetime.datetime.now()

a = lot (a gear)

b = 10t (input ("Enter final gear:"))

priot (" b leap geas")

for i in range (a, b+1):

if (1% 4 == 0):

point(1)

Resalt: The program was been execulted and output verifical.

CASOLUSIA.

Output anomal

Enter final gear: 2050

Leap Years:

2024

2028

2032

2036

2040

2044

2048

- - Model

[30, 30, MU, EE, EE, M]= 1211

(" out tonging") tong

(dell) tories?

1 607 PM

13 - 2 c april 31

South College after

Bringing Hall to allows credets of their some, colle

(1511) Harris

History

PROPERTY STORY

Dragram No-29

Also: Gierberate positive list of parobers from a given list of integers.

18t1 = [5, -8, 69, 57, -55, 24, -66, -20, 80, -33, -639, 85]

pos = list ()

for 1 in let1:

if 1>0:

pos.append(i)

Perot ('Original list: ", listi)

parot ('positive integer list:', pos)

Result

The program has been executed and output verified.

SPRIFFINE THERESE

(200) 200 Jonie 1

completed of the first

(G+d,D)30,00,00,100

16 (10/4 = = 0) 21

and the confidence of the contract of the cont

autet

Original liet: [5,-8,69,67,-55,24,-66,-20,80,-33,-639,

reduced from post feets exercised and animal and animal

positive lotager list: [5,69,57,24,80,852]

Pragram No-30

Almo: Find baggest of 3 numbers entered

program

a=int (input (Enter 1st no: 1)

b=iot(iopat('Exter sod no: '))

c= iot (ioper ('Enter 3rd no: 1))

if asb and b>c:

Paint (a, 1 is the biggest number)

elif by a and byc:

point (b, 119 the biggest number)

else :

Point (c, 1 is the biggest ourober')

Result

The program was been executed and verified

Output

Enter 1st no: 562

Epter and no: 960

enter grol no: 750

960 19 the biggest number

THE SERVICE PRESENCE HER OF CONSERS BOTH

16136271

and of

1 HOM SO T TO

(3) state 2011

Loop Liver assessed and and and

The Branching was recentled and deapen verified.

Program No-31

AIM: Create a list of colors from Comma-separated color names entered by ower. Display first and last colors.

pragram

colors = (inpart ('Enter colors seperated by commons:)). split (;) point ('first cobr: ', colors [0]) point ('Last color:', colors [ier(colors)-])

Regalt

The program has been executed and hence venfled

Output

enter colors seperated by commas: blue, green, red, blact, gellow, lightigreen

political para batteress ocus

Wisser and section

1944 DOWN ARD -11

first color : blue

last color: lightgreen

Pragam-No-32

Alm : Point out all colors from color-list! not contained in color-list 2.

colors = set ((input ('Enter colors seperated by commas:')).split (1.1)

colors 2 = set (Circuit ('Enter colors seperated by commos: ')). Split(' ,'))

Paint ('Colors in color-list 1 not contained in color-list & are: , list (colors 1. difference (colors 2)))

Result

has been executed and Output is venfied. The program

Output

Enter colors seperated by Commas: red, orange, green, block Enter colors seperated by Commas: blue, yellow, gold, brocon, evergreen, lightblue.

colors in color-list 1 not contained in color-list & ave: [red', 'orange', 'green', 'blace']

1- Cerolos haci enolos, toracion de pli deci

Program No-33

Almo: Create a single standy seperated with space from two stands by swapping the character at position 1.

Pragram

Stal = lopat ('Enter a stalog:')

stal = inpat ('Enter another etaing:')

Stal = stal[0] + stal[:]+'' + stal[0] + sta[:]

paint (stal)

Result

The program has been executed and output is verified.

THE POINT COST OF FORMS THERE SEED

Output

Enter a staing: avant pa

C. COMMONDA

Enter another stang: polikkonban mukalil

probi p a adlikkabbahroakalil

Pragram No-34

Arm: Create a package graphics with modulus rectangle sincle and sub-package 30-graphics with modulus cuboid and sphere. Include methods to find area and pesimeter of respective figures in each module cobite programs that finds area and perimeter of figures by different Imposting statements. (include selective import of Maderies and import * statements)

Dagram.

arcle pa

Find area. Py

import circle

from redangle impost *

From Graphics-3D-graphics import caboid sphere

a = float Gorat Genter leagth of the rectangle:1)

b = Float (input Cienter breadth of the rectangle:))

v = float (input ('Enter - the radicus of circle:'))

circle.area(r)

1 = Float Cionar Center length of the autoid:))

b = Float (mout (enter breadth of the cuboid:))

n = Float (input ('enter beight of the caboid:'))

carboid area (1,6,6)

r > Float (input (Enter the radius of the ophere:))

epobere area(2)

findperimeter.pg

import circle

from rectangle impost *

From Graphics - 30-graphics import cabold sphere

a = Float (input ('Enter length of the rectangle: 1))

b = float (iopat ('Ebter breadth of the rectangle:'))

perimeter (a, b)

r = float (input ('epter the radius of the arcle: '))

arde. arcamference (r)

1 = float (input ('Enter length of the carold:'))

b = Float (ispect ('Goter breadth of the caboid: '))

b = Float (input ('Enter beight of the caroid:'))

auboid pesimeter (1,6,6)

r= Float ('Exter the radius of the sphere:'))

sphere perimeter (0)

sectangle.pg

det area (a, b):

point ('Area of rectangle with sides; a, 'arad', b, 'is: 1,40 .2F'40 Ca* b), 'sq. anits')

det pesimeter (a,b):

boilt C'perimeter of rectangle with sides ', a; and ', b, 1 is: ', 1 .10:25' do (2 * (a+b)), 'anits)

30-graphics

caboid .pd

def area (1,6,6):

point ('Total surface area of Cabad with dimensions 'il, ', ', b, ', b is: ', ' 0/0.2F' 00 (2* ((1* b) + (b* b) + (1* b))), 'againsts')

def besimeter (1, b, b):

point ('perimeter of capoid with dimensions', 1, ", b, ', b, 115:1, 10.2F'0/0 (4x(1+b+b)), 'aioits')

Sphere . pg

point ('Area of sphere with radius ', r, ' is: ', ' do. of gobere with radius ', r, ' is: ', ' do. of gobere det area(2): (3.14 * 3 * 3)), 'sq. anits')

parot (pesimeter of (great Grole of) sphere with radius, a, is: det pesimoeter(3): 1, 40.25,00 (8x3.11x3),100its)

Result

The program has been executed and output is ventical.

point ('Total surface area of Cabad with dimensions'; 1,1,1,6,1,6 is: ', ' 0/0.2F' 0/0 (2* ((1* b) + (b* b) + (1* b))), 'squabite')

def besimeter (1, b, b):

point ('perimeter of capoid with dimensions', 1, ", b,',',b, 113:1, 10.2F'0/0 (4x(1+b+b)), 'anoits')

Sphere . pa

point ('Area of sphere with radices ', r, ' is: ', 'do. of 'do det area(2): (3.14 * 2 * 3), 'sq. anits')

paint (pesimeter of (great Grote of) sphere with radius 1, 3, is: det pesimeter(3): 1, 19.2510/0 (0x3.14x3), 1choits)

Result

The program has been executed and output is ventical.

Output

Perimeter of circle with ractices 10 13 62.83185307179586

Area of a circle with tadicas 10 15 314.1592653589793

Area of a rectangle with length and width 10 15:100

Perimeter of a rectangle with length and width 10 15:40

Area of whole with length, width, height 10 15:40

Perometer of caboid with length, width, height 10 15:120

Area of sphere with radius 10 15:1266.6370614359173

Perimeter of sphere with radius 10 15:62.831853071799586.

Amo: Create Reclargle class with attailmines length and breadth. and methods to find area and perimeter. Compare too Rectangle objects by their area.

Program

clase Roctangle:

def _:int -- (self, 1, b):

Self. length=1

Self. breadtb=b

clef area (self):

return self. length * selc. breadto.

def pesimeter (self):

retain at (self. length + self-breadth)

def cmp(self.obj):

if self-area() > obj-area():

point ('Rectangle with length = !, eat . length , 1 and breadth, 'bas the greater area")

elif self. area () > obj. area ():

point ('Rectangle with length = ; obj. leagth,) and breadth = 1, obj. breadth, I bas the greater are!)

else:

point (1 Thoug have equal area)

21 = Rectargle (0,5)

20 = Rectargle (8,4)

21. crop(22)

Result

The program has been Gonord Executed and Output 19
Verified.

Output ((dx)) - (d + d) + (d + 1) + e) or " = ob" !!

Reclargie with length = 8 and breadth = 4 has the greater 12. Caratian or 75. d' 151 area.

(mendine) ((mendine)

Mad 1 RELEASED - 101

Carian (Commerce) of the cont !

Program No-36

Alm : Geale a Book account with members occount namber, name, type of account and balance waite consticutor and methods to desposit at the book and withdraw an amocust from the bank.

Program

Class Book Account:

def -- ibit -- (self, a, n, t, b):

Self. acro=q

self. name= n

Self. type=t

self. balsb

det deposit (self, a):

self. bal + = 9

point ('Rs, 'a', do positel! Carrent balance is:

Rs', self. bai)

olet withdraw (self, a):

if self bal >=a:

self.bal = a

POINT (PS, 1a; withdrawn! aurent balance is: Rs. 1, ser. bal)

paint ("Insufficient babase to make this transaction!")

a = int(input ("Poter Account number:"))

n = input ("Poter name of the account bolder:")

t = input ("Poter Account type:"))

t = input ("Poter Account type:"))

b = float (input ("Enter goar balance:"))

acl = Bark Peccount (a, n, t, b)

acl - desposit (float (input ("Enter amount to deposit:")))

acl - desposit (float (input ("Enter amount to deposit:")))

acl - contadious (float (input ("Enter amount to deposit:")))

Result

The pragram was be executed and output is vesified.

Output

Enter account remober: 1200523698651 9 starober

forer name of the account holder: avant pa

ener account type: zero balanced account

Poter your balance: 1052

Coter amount to depost: 500

Rs. 500.0 desposited!, Current balance 19 Rs: 15520

Goter account to contradions: 200

R9-200-0 authorown! Current balance is Rs: 1352.0

Pragam No-37

Almo: create a class Rectargle with pavate attaibutes length and width overload's operator to compare the area of a recorde

Program

class Radabale:

def -- ioit - (self, 1, w):

self . -- length = 1

self. -- andth=w

self-area = self. - width x self. -- length.

def - 1t -- (self, other):

if safarea colber. area:

point Curectoragle with leagth = ', self-tempth! and width=1,001f. -- width, I has the lesser areal.)

ent ober area c self area:

point (pactaragle with length = , other - length, land width=)," other ... width 'has the lesser area!")

evae .

point (they have equal areal)

1 - Fleat (now C'Ener length of 1st rectangle:))

w = Poat ("opent ("enter width of 1st rectangule:"))

RI = Rectangle (1, w)

1 = float (input ('Enter length of and rectangle:'))

w = float input ('Enter width of and rectangle:'))

Ra = Rectangle (1, w)

RICRA.

Result

The program has been executed and output is Verified

object length of 1st Ractangle:5

enter width of 1st rectangle:3

enter length of and rectangle: 9

enter width of and rectangle: 6

Rectangle comb length = 5.0 and width = 3.0 has the leaser area:

The progress are predicted and cooper in vertical

IN CORCUL CALLERA (SERVER, ENCOCCADA AC TOPATO)

AIM: Create a class Time with poivate attailbate book, minuter and second. Overload '+' Operator to find sum of a time.

program

class Time:

def -- init -- (self, bb=0, mm=0, ss=0):

Self. - hour = hb

self. -- second -ss

def -- add -- (self, other):

Second = int (Gelf. - second +other. - second) % 60)

mirate = int ((Set. - nonate + other - minate) 9660+

((self. - second + other. - second) % 60))

hour= in+ (Coef.-nour+other.-nour) 10 24 + (saf.-minute+

obor. - mirate) 160)

pora ('dime [bb:mno:ss], 'hour, ':', minute, :', second)

TI = Time. (0,05,45)

Ta = Time (18,50,45)

TI+TQ

The bragions has been executed and output is vertical

(Caspat was allow 19 100) mayor go.

Time [bb:1000:95] 21:16:30

(au) planship = 17

168 710.

discoll

in the day has token executed, and daypar is varied

AIM: GREAGE OF DENDISHER COOME). DENNE COOK BOOK FROM PUBLISHER with antibode title and author. Denve class popular from Book with attabates poice and no of pages. Waits a program that displays information about a Python book. Use base class Cootroider inocation and Method Overriding.

Pagram

class Publisher:

def - ibit - (self, rame):

self-name = name!

def show (self):

Pass

class Book (Rudioner):

def -- int-- (self, title 1, author 1, name):

Self. Hite = Hitel

self. audbor = audbor 1

Poblisher. - ibit - (adf, rame)

det snow (self):

Rass

Rysbork Book)

det -- voit -- (self, p, no, title 1, authors, name):

self poce=p

sep. no-d-pages=no

Book -- init -- (self, title 1 puttor1, rame)

det show(self):

point ('Book Htle:', self. Htle)

part ('nounor: ; self. acuthor)

point (Paibliober: sef. name)

Point ('poice i Ps; ser. poice)

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

Pi = Pothon (423.50,300, 1 Ab Healist View of Life, 1 br. s. Radba kolobban', 'Ardeolte Press')

Pi.snow()

Result

The program has been executed and contract is verified.

Output

of Dead a charge Time conta

Book Title: An Idealist View of Life

Author: Drs. Radhatalshan

Publisher: Andesite Pless

Daice: Rs. 423.5

No. of pages 302.

Pragram No-40

Almo: waite a postbook program to read a file line by line and ctore it into a list?

Pragram

def file-read (frame): wath open (frame) as F: c=f.readlines()

point (c)

File_read ("File 2.txt")

Regult

The program has been executed and Output is verified.

(10000-17

ocupat

["1.1'm not going to go deep into betory matter. In 2. This indiaduction was just to make it a bit fain and show how the phases give us an indication of the importances of pictures."]

in a serie colline and some the best of the series were as the in-

there exercises and contrast to vanish

Pragram No-41

Airo. Astoon program to copy add lines done file to another.

Pregram

asopen ('Rep.txt', '4) 6=0000 ('belloo. (xt', '00') c = a readlines() for 1 in range (0, ten(0);

10 (19001=0):

b.wate(c(d))

else;

POISS

wickeet)

be over ('sie atxt', in)

d = b. read ()

point (d)

a close()

b close()

The program was been executed and output to landed,

Output

1. I'm not going to go deep into histracy matter.

2.766 introduction was just to make it a bit fain, and show the phrases give as an indication of the Insportance of picture.

The Committee Co

Charles Jus

Contract of the

Ver Vigoro traduction of the same

Lakimond mel dypanimo

Pragam No-42.

Alm: wate apollon program to read each row from a given cv files and point a list of stange?

import cay with open ('cs.csv', recolre=") as csvfile:

d=csv.reader(confile.delmoder="1, quotechar="1")

for rind: paint (',' , soin(r))

Rescult

The pragram has been executed and output is verified

Output

ment, vasiable filled jobs

BDCQ.SEE1045A 2015.06 17596.

BDCQ. SEE 1045A .2015.09 17565

BOCQ - SEE10 45A 2015 . 12 17 955

BDCQ. SEE 1045A 2016.03 17768

Program No-43

AIM: waite a pathon program to read specific edocumes of agreen cev files and paint the content of the colours.

Program

Iroport CSV

with open ('ci. csv', newline = 1) as csuffie:

d = csv. DarReader(csuffle)

PSIDT ("authors orginial-title")

for 10-di

Point (o ['audbors], r ['original -title])

The program has been executed and output is vesified

authors original_title

Suzanne Collins

The Hanger Games

perference executed and order orders

Jk. Rowling, Mary Grandpare Harry Potter and the philosophers

Stephenne Meyer

Twilight was to the second

- todo toop, " " - totalandalan silles) todo y - vert- to

Pragram No-44

AIND: Waite a program to wate a postbon alchary to confile. After waiting the asy file read the asy file and display the contents.

Program

```
Field-pames = ['bost-book - 1d1, 'author', 'orginal-title]
boot = [
      'best-book-id': 1, 'author': 'suzanne Colline', 'original-title':
              " The Hunger Glames"
        'best-book-id': 2, 'author': 'J.K. Rowling, Mary Grand Re',
            'Original-title!: Harry Potter and the philosopher stone'
          'best-book-id': 3, 'author': Glephonie Maer', 'aiginal-title':
                Turique!
             open ('c1.cou', 'w') as couffle:
             walter = cou. Datwher (couffe, Freidmames = field-names)
        WHA
```

waiter.waiterows (boot)

with open ('ci.esv', newline = ") as csufile:

d = csu.reader (csufile, delimeter = '1')

for rind:

pant (',',join(3))

Rescut

The program has been executed successfully and output to verified.

married about sold construct.

best-book-id acubas, original-title

The Hunger Grames · Scrance Collins,

Harry Potter and the J. K. Rololling, Mary GrandPre, Philosophera stone

Twillight. 3 Stephence Mager