pump : waite a pullbon program to find the sociare of the pumber entered by the cleer?

### Program

nam = Float (input ("please enter your value "))

Square = num \* num

print (" The equave of the given value is 503 = 513". format (num, square))

### Result

The program bas been executed and output is Verified

The sacraise of the given value is 5.0 = 25.0

DE PROPERTY PORT PORT PER PORT

## Program No-2

Alm: Waite a pathon program to retain area of a circle asing a faction?

Program

def findarea (a):

PI = 3.14a

retain p1 \* (a \* a)

paint ("Area is % . 6f " % findarea (num));

Rescult

The program has been executed and output is vesified

THE PARTY OF THE P

Goter r value: 8.3

Area 15 216.452380

5 15-15 527-158 15315AT SHEET SE

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## Program

1-115

namo! = Hoat (input ("Enter first namber:")) norma = Float (input ("Enter Second number:")) nam3 = Float (input (" Enter Ibird namber: "))

if (rum) > ruma) and (rum) > rum3).

1 largest = nami 111

elif (roum 2> roum) and (roum 2> roum3): largest = barn a.

else:

largest = barn3

point ("The largest number 15", largest)

Result

11 ( 4 3) The program bas been executed and output is vesified.

1000

0)113

1400

- Charleston &

[40040034]

(G ) 15 15 15 15 15 15 15

(Crapping , 49393) Dry Back Back and

Element of 3-90-01 or many

Car 3 1 153

THE STATE OF THE PROPERTY OF SENSED STATE STATES OF STATES

Enter first number:5

Enter second number: 9

Enter bird number: 7

The largest number is 9.0

Aimo: List comprehensions. Sapare of N numbers.

for x to range (100): paint (x \* \*2)

Recult

The program bos been executed and output is vesified.

			7.7.21
0.11-15	1024	3844	7921
4	1099	3969	8100
a	1156	4096	8281
16	1225	4 225	8464
25	1296		8649
36	1369	4366	8836
49	1444	4489	9025
64	1521	4624	
81	1600	4761	3 4 14 3000 A 2 22 2
100	1681	4000	9406
121	1764	1-100	9604
1 44	1849	5041	10 9801 Marie Common 9119
169	1936	5184	Mission .
196	2025	5329	
225	a116	5476	
289	2209	5625	
W. W. W.	2304	5776	F 155/19
324	70	m' can	CHOCK - ASSENCE
364	- 101	5 4 64	School Cardinas Fares
400	2500		
441	2601	6241	
484		6400	
529	2804	6561	
576	2916	6724	360000
625	3025		
676	3136	6889	
	3249	7086	
729	3364	7225	
784	3481	7396	
841	3600	7569	
900		7744	
961	3721		

Almo: form a list of vocales selected form a givenword?

### Program

def check vow (stoing, vowels):

final = [each for each in staining if each in yourek]

point (len (final))

paint (float)

Staing = avanipa palikkunnanmakalil vowels = " Aake Ii Oo Clu" Check - Vow (stoing, vowels):

## Result

The program has been executed and output was verified.

KANDER OF THE ENTERPRET STREET BY AND THE SERIES

11

(CERXX) topoq

Area properly assert the property assert and considered are

## Pragram No - 6

Almo: count the occurence of each word in a line of text?

Program

def word-count (Gtr):

cocots = dict()

words = sto.split()

for word in words:

if coord in coants:

cociots [word] +=1

else:

courts [word] =1

return counts

point (wood-count (thello avani bow are you are you fine'))

### Result

The program bas been executed and output was vesified.

2'bello': 1, 'avaini': 1, 'bow': 1, 'ave': 9, 'gou': 9, 'fine': 13

(GENERAL ENGLASE) WOV. STAND AND

[ DAD 133 A CH CHARLES A DAD 133 CHARLES AND CHARLES A

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Similary or "Cadora

BUT BOKEN TO THE PARTY OF

## Program No-7

pino: Store a list of first barneg. Court the occurrence of 'a' without the list?

### Program

test-sto = " avaní pa pulikkunhanmukali kaltootty po" CIT SUPPLY OF PROPERTY IN MANAGER IN IN cociot = 0 P. 100 418 10 10 30 1013

For i in lest sta: if i = = 'a': count = count +1

point (" count of a in avanip a palik kannan makali) Kathooticy Po 15: "+ Sta (count) TI FORD THEN OHOW ... I WE STRATED

Rescult

program has been exercited and output is vesified.

31 7500 CEL 3-11300111/3 /3 " NOCKONSON TONION

File of the contraction of the c

cocot of a 10 avani p a palikkannanmakalil kathootiq

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: 3600000 CHI PADOU 303 1364353 OF 134575 31 1= + [famo] 210000

10019 1= [] SYSSI = (31,353

Stownson Next 34 point (eccode course (shallo amont hans ma escape

and majors have britished and east consisting is as

Isameray

pino: Ebter & lists of inlegers. Check a) whether list are of same length b) whether list same to same value c) whether any vakue accour in both?

Program

det lists():

list I = []

list a = []

11st 3 = []

101 = 110t (input ('total roumber of elements in list 1:"))

for i in range (ni):

val = int (inpat ("enter a number:"))

list 1. append (val)

na = int (input ("total number of element is list a:"))

for i in range (na):

val = int (inpat ("Enter a namber:"))

list a append (val)

If (p1== pa):

point (" her are of some length")

else:

paint (" list are not same length: ")

if (sam (list 1) = = sam (list 2)):

paint ("sum value is same")

else:

point ("sam value is not some")

list 3 = [each for each in list I feach in list 2]

point ("value in the both lists are:", Tist 3)

## Result

The program has been executed and output is vesified.

>> lists () total number of elements in list 1:3 epter a pumber! enter a number: 4 epter a namber:5

total bumber of elements in the list 2:3 enter a randoer: 7 3550-4007 4 457

THE STATE OF

21/31 4 - 1 31

enter a number:8 epter a number, 9

113151353 = 371333 het are foame length sum value is not same values in the both lists are:[7

### >> lists[)

total number of elements in list 1:2 enter a number: 8 enter a number: 9 total number of elements in the list 2:3 epter a pamber:9 enter a number: 7 lists are of same length. sam value is not same values to the both lists are: [9]

Alm: Get a staining from an Input staining where all occurrence of first character replaced with '\$', expect first character?

### program

det change-char (stad): char = 901[0] Stal = Stal. replace (char, 5) Stal = chara + stal [1:] point (change-char ('avani pa palikkannanmukalil'))

## Result

The program has been executed and output is verified

Output

Output

avani p à palikkunnénmakélii

- halfe in a day from book party and and considered with

First and last characters exchanged

### Program

sta = in part ("Enter a otaing:")

new-sta = sta [-1:] + sta [1:-1] + sta [:1]

parot (new-sta)

## Result

The program boo been executed and output is verified

AINO: Accept the radices form weer and find area of circle?

Pragram

impost math:

8 = Float ("Enter the radius of the Circle:"))

area = math. pix 8 \* 8

parot ("./. & F" -1. area)

Result

The program has been executed and output is venified.

# Ocitpat

son sunder process of sures of surestants

Epter the radius of the circle: 5

DOMENTAL DE LOCALI EN ESCRITORISTE CANDET CANDET LA ARMENTAL

### Program No-12.

Alm . Accept an Integer n and compare n+nn+nn?

### Pragram

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

temp = sta(n)

t1 = temp + temp

ta = temp + temp + temp

comp = n + inst(ti) + inst(ta)

paint ("The value is:", comp)

### Recult

The program has been executed and output is vesified

toter a number o: 4

The value is: 492

...........

( DOWN 1 27 D 348)

Abishes of many the bosses of the state of t

PIM: Sook dictionary in ascending and descending order? 511.10, 011.13, 11.03

program

Import operator

d={1:2,3:4,4:3,2:1,0:0}

point ('dictionary:',d)

S = Sosted (d. items (), key = operator. item getter (i))

point ('accending ordes: 1,5)

Si = dict (sosted (ditem(), koy = operator.itemgetter(i), reverse =Trae))

point ('descending order: ; si)

### Regult

The pragram has been vesified and output is vesified.

# Output

postioned a society property and the continue to the continuent

dictionary: 21:2,3:4,4:3;2:1,0:03

ascerding order: [(0,0),(2,1),(1,2),(4,3),(3,4)]

descending order: {3:4,4:3,1:2,2:1,0:0}

OP! YOUR FOR YOUR

## Program No-14

DIM: Merge two dictionables?

program

x = {'a':16, 'b':2}

4-5'6':10, 'c':113

Z = x.cupdate(g)

paint (2)

point (x)

### Result

The program has been executed and output is verified

None

¿a':1, 'b':10, 'c':113

mener

YOUNGS THURS

(0:0,1:0,E;A,B,B,B)

Chi: processon ) sous

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Assalte av est + out to be to be the property visited and consigning age

Almo: find god of two numbers?

#### program

name = int (inpat ("Enter 1st namber:"))

name = int (inpat ("Enter and namber:"))

i=1

while (i = name and i = name):

If (name of, i == 0 and name a of i == 0):

gcd = i

i = i + 1

Point ("GCD" 18", gcd)

### Result

The program has been executed and output was vesified

enter 1st number : 80

Exter and number: 20

GICD IS 20

Enine France

(10) same may

CV

110

pim: Program to find the focumal of a nambes?

#### program

num = Int(input ("Epler a rumber:"))

factoral =1

if pam co:

point ('sorry, Ecclosial does not exist for negative numbers")

elif nam == 0:

point (ripe factorial of 0 is 1")

else:

for 1 in range (1, num+1):

factorial = factorial +1

paint (" spe factorial of ", ours, " is ", factorial)

### Result

The program has been executed and output is executed

Outpat.

toter a namber: 9
The factorial of a 15 362380

(CONTRACT ASSESSED BUILDING

(Carestania for soles, James)

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THE COURT PART TO SELECT ON THE PERSON NAMED IN

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Amo: Generate Abanacci seeves of Nitems?

#### program

nteoms = int (input ("How many teams?"))

DI, DR = 0, 1

count = 0

ifaleams 4=01

paint ("bease ener a positive ibreges")

elif nterms ==1:

Paint ("fiboracci sequence apto", ntesmas: point (ni)

else:

point ("fiboracci seaprerco".")

while count & nteams:

paint(pi)

ntb = 11+10a

DI = Da

100 = 10th

count += 1

### Result

The program has been executed and autrations vesified

How many teams? 5

Fibobacci sequence:

0

2

3

Continue of which a series of the

Commander of the second of the of

pim: Find the sum of all items in a list?

program

ISt =[]

Dams = 10+ (input (' How many number: '))

for n in range (ocum):

numbers = int (input ('Enter number'))

1st-appead (scimbers)

Paint ("sum of element in given that hot is: ", sum (ist))

### Result

The program has been executed and compost is vesified)

00511

# Output

How many numbers: 5

eoter number 4

Enter number a

Grover rumbers

toter number 3

coler pamba 5

sum of elements in given list is: 19

### Program No - 19

pim: Generate a list of four digit numbers in a given range with all their digits even and the number is a perfect square?

program

det call():

n=0

for ac 10 range (1000, 2000).

num = sto(x)

number = int (oc)

first = Int (pain [0])

second = int (nam [1])

1bird = int (ram [0])

fourth = int (nam [8])

if first o/0 = = 0'.

if second % 2 ==0:

if 10rd 0 0 0 = = 0

if fourth olo a == 0.

for i in range (s, number).

if i \* i = = number.

point (number)

### Regult

The program has been executed and Output 19 vosified

>>> car ()

4624

6084

6400

8464

Comment Brown costs, Jones May be

remain to do with a de train

The Property of the seconds of the second of the seconds of the second of th

to some and the sound sound and consumer and

Almo: Display the given pyramad with step randber accepted from User?

Eg: N=4 1 94 369 481216

Pragram

def pape():

n=in+Cropat ("enter the number:"))

i=1

for i. In range (1,n+i):

J=1

for J to range (1,i+i):

temp=1\*j:

paint (temp, end="")

point (" i)

### Result

The program was been exercised and output was verified.

the same and the same the same with the same of the sa

Epter the pumber: 5

2 4

369

4 8 12 16

5 10 15 20

25 . (0000 (0000) . (0000) . (0000) . (0000)

(30) 3011 - 50 X Sams 8 (13) mose) ren - your

( To James ) Tou - boro said

((3) ans) tol- briefly

(18) EMPSED HON - SHADES

30 = = 0 00 4013 AF

· Candana a la la company de l

### Pragram NO-01

10 a going?

#### Pragram

test-sia = "bai avari bow are you"count = 0

for i in test-sta:

if i = = 'a':

count = count +1

paint ("count of a staing is: " + sta (count))

### Result

The program has been executed and the octificat has been vesified

coapt of a sloing 15:4

200

21 21 2 11

TO SHOW (DECEMBER AND ASSESSED ASSESSED

Grain of some of the

3 (14 1 1) - Bridge CH 2 157

Company of the same

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## Program No-22.

IN CONTRACTOR OF THE PROPERTY OF THE PARTY OF THE PARTY.

ends with 'ing'. Then add '14'?

program

def add-staing (atai):
length = len (stai)

if leagth >a:

if stalf='lq'

else!

Stal + = 'ing'

rewan stal

point (add-string ('av))

point (add-string ('ava'))

point (add-string ('ava'))

point (add-string ('string'))

Result

The program now been executed and output was Vesified

av avaing Staingly

MANDED DATE COOKY TOWNERS TOWN

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trapped days has harrists army and consumer of

7557300

### Program No-23

Alm: Accept a list of words and return length of longest word?

#### Program

a = []

n = int (input ("Enter the number of elements in list:"))

for a in range (o,n):

clement = input ("Enter element" + Stor (a+1)+":")

a. append (element)

max1 = len (a [o])

terop = a [o]

for in a:

if (ien(i) > max i):

max 1 = len(i)

temp=i

paint (rane word with he longest length is:")
paint (temp).

### Result

The pragram has been executed and Output is verified.

Appelled the telegraph of the former on the tensor that the test of the test o Enter the number of elements in list:4

Enter element 1: apple

Coter element a : avani va

Enter element 3: palikkannanmuka lil

Epter element 4: kattappana

Gassa James Marie the word with the longest length is: Palikkannanmukali)

and maybe the state of the stat

" pay" = = [ [ = ] 1 010 91

1/2/1 = = 1 00 100

BENEF - 1- Hall

# Program No - 24.

AIM: Construct following pattern using nested loop?

#### pragram

for i in range (n):

. For j in range (i):

paint ('')

For i in range (o n, 0,-1):

For j in range (i):

paint ('')

paint ('')

paint ('')

### Result

The program has been executed and Output was vesified

\* \* \*

M X # X

\* \* \* \*

\* \* \*

\* \*

\* (10) mile 1919

12722

2 (a 133) 35 x 4 4 59 32 10

Comme Consult of Kings

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(comp) was

. I supplied the property of the property of the state of

Mammaray of microtle (10,00,00,16).

### Program No-25

Almo: Glederate all factors of bumbers of a bumber?

pragram

def paint-factors(x):

paint ("The factor of ", x", are:")

for in range (1, x + i):

if x = 0:

paint (i)

paint - factors (nam)

### Result

The program has been executed and Boutpout was Vesified

The factors of 200 are:

8

10

90

25

40

50

100

200

: (43) 28 1994 104 1

: (1) DENSINE SHE IN

(43,44 6 20-13 11 43 more of

ME DANGERSON NO BED AND

[00.28.68.11]

STREET WINDS ON DURSERY VISIO TO

# Program No-26

Alm: write lambda functions to find area of Sauare rectangle.

and talangle?

#### Program

impost math.

t-peai = lamboda p, q, 13: p+q+3

a-area = lambda.len, hi: len \* bt

c-peal = lambda rad : 2 \* math · pi \* rad

e-area = lambda rad: month. pi \* rad \* rad

point ("pesimeter of Toiangle (10, 20, 15) 15: ", t- pesi (5, 20, 10))

paint ("Area of Rectargle (30,00) is: ", v-area (20,10))

### Result

The program has been executed and Owhut was verified

Presimeter of Taiangle (10,80,15) is: 35

Area of Rectangle (30,80) is: 200

: (x) 23171367 - 3344

: (1+×11) 2(27 x 31 45):

36-1527 MODEL

10 - - 1 - 10 x 90 mg

000 1000

Courses ( Excurs)

PROBLEM CREW SINGLES DONE DISTRIBUTE CONTRACT CHARLES

### 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)

foo 1 in list:

if (10/0 2 == 0):

list memore (i)

point ("list after remoung on even number:") paint (list)

Result

The program has been executed and owput was vesified.

36-60 mmm

((61,00) 1200-4", at (20,00) sipator 27 72 100 ) 1000 ) 1000

beginned the form both both both one of confirm and and

Therefore the form the second second seconds and

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]

not after removing an even nambers:

[11,33,35]