AIM: Python program to find area

def asea(8):

Pi=3.14 Veturn Pi*(8 * 8);

num=float (input ("enter the value for:"))
Print ("Axea is %.6f" % area (num));

Result:

The program has been executed and the output was resified.

output

ented the value foo: 3

Area is 28.26000

AIM: Python program to find largest among 3 Numbers

number 1 = float (input ("enter the first number:"))

number 2 = float (input ("enter the second numbers:"))

number 3 = float (input ("enter the third numbers:"))

If (numbers > numbers) and (numbers > numbers):

lagest = number 1

elif (number 2 > number 1) and (number 2 > number 3):

largest = number 2

else:

langest = numbers

print (the largest number is ", largest)

Result:

the program has been executed and the output was realfied.

enter the first number: 2
enter the second number: 4
enter the third number: 5
the largest number is 5

AIM: Python program to find equare of a number

digit = int (input (inenter an integer number:"))

square = digit * digit

print (f " square of {digit} is {square}")

Result:

The program has been executed and the output was realfied.

integer number: 4 Enter an equare of 4 is 16.

I DESCRIPTION TO SERVE I

AIM: python program to find area of circle

From malts import pi 8= float (input the radius of the circle:"))

Point ("The area of the circle with radius"

+ str(x)+" is:" + str(pi* ***2))

Result:

The program has been executed and the Output was Verified.

Input the radius of the cracle: 4
The area of the eracle with radius 4.0 is:
50.2654

AIM: Python program to find square of n

115t1 = [14,2013,8,6,2]

fox n in list1:

Square = n**n

print (n, squared is', square)

Result

The program has been executed and the Output was verified.

14	squared	îs	196
	squared	is	400
13	squared	ŝs	169
8	squared	is	64
6	squared	is	36

squared is 4

2

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Apr. Exchance pare pares exercise

: 13123,1

AIM: Python poogoam to find vowels in a string.

Stoing A = "Hello. how are you"

point (" biven stoing: In", stoingA)

Vowels = " Aa Ee I : Oo Uu"

res = set (Leach for each in strong A if each in vowels])

point (the vowels present in the string: In ", xes)

Result:

The program has been executed and the Output was verified.

Given Stoing:

Hello... how are you

the vowels present in the string:

course hout at amounty and

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

AIM: Python program to count words in a sentence.

def word-count (sta):

counts = dicto

words = sta. split()

fox word in words:

If word in counk:

counts[word]+=1

else:

counk[wood] = 1

xetuan counts

point (wood-count ('when you change the quality of your life sometimes instantly))

Result:

The program has been executed and the output was verified.

output

{'when': 1, 'you': 2, 'change': 2, 'the': 2, 'quality': 2, 'of': 2, 'your': 2, 'thinking': 1, 'life': 1, 'sometimes': 1, 'Instantly': 1}

a snary

and and

- Language - Establish

peogeam No:8

AIM: Pylhon program to count a in a list.

a=['anto', 'seban', 'roshan', 'roseph']

Sta1=('' · join (a))

count=0

for i in stal:

If "='a":

Count = count + 1

point ("count of a in the list is:"
+9to(count))

Result:

The program has been executed and the Output was verified.

count of a in the list is: 3

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Paogaam No: 9

AIM: Python program to check the length of lists.

116t1 = [10,10,11,12,12,13,14,16,15,16,12]

116t 2 = [16, 12, 13, 14, 15, 16, 10, 11, 12, 10, 12]

len1 = len(list1)

lenz=len(11st2)

14 len1==len2:

print (bolts list have equal length)

else:

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

Result:

The program has been executed and the Output was realfied.

both list have equal length

n is a tours of mapping conditioning

paogaam No:10

AIM: Pylhon program to check the sum of lists.

119t1 = [10,10,11,12,12,13,14,16,15,16,12]

115t 2=[16,12,13,14,15,16,10,11,12,10,12]

total1 = gum (11st1)

total 2 = sum (list2)

If total1 == total2:

paint (both list have equal sum')

else :

paint (both list doesn't have equal sum')

Result:

The program has been executed and the Output was verified.

both list have equal sum.

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AIM: Python program to check the common elements in the lists.

list1=[10,10,11,12,12,13,14,16,15,16,12]

115k2=[10,10,11,12,12,16,14,16,15,19,12]

for value in lists:

If value in 1962:

common=1

If common==1:

point l'ithere are common elements")

else:

point ("no common elements")

Result:

The program has been executed and the output was verified.

there are common elements.

week and works of constitution to the

AIM: Python Program to replace a characters.

def change-char (sto):

char = stor[0]

Sto 1= sto 1 . seplace (chao, '5')

Sto 1 = chax + stx1[1:]

point (change-char (refreshi))

Result:

The program has been executed and the Output was realted.

output refsesh

200

[84 81 01 91 91 84 84 81 11 01 01] - BAN

Z= (HINNEY)

"De willing

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steel mond age

AIM: Python program to exchange the first and last letter in a string

def change-strong (stron):

8etuan sta1[1:] + stx1[1:-1] + stx1[:1]

point (change-stoing (pineapple))

Result:

The program has been executed and the output was verified.

makein a com

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((matehas,)

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-bujust

AIM: Python program to Merge 2 dictionaries

def Meage (dicts, dicts):

return (dict2. update (dicts))

dict 1= {10, 10, 16:8}

dict 2= { 'd':5, 10':27

point (Meage Cdicts, dict2))

point (dict2)

Result:

the program has been executed and the output was verified.

None

{'d':5, 'C':2, 'a':10, 'b':8}

AIM: Python program to ascend and decent dictionary.

impost operator

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

Point (original dichonary: , d)

Sorted-d= sorted (d. items(), key= operator. itemgelter(i))

Point ('Dictionary in ascending order by value:',

Sorted-d)

Souted-d= dict (souted (d. Items(), key= operation. Itemgetter (a), xeverose = Txue))

Point (inictionary in descending order by value:

Result:

the output was verified.

Oxiginal dictionary: {1:2,3:4,4:3,2:1.0:0}

Dickonaxy in ascending order by value:

[(0,0),(2,1),(1,2),(4,3),(3,4)]

Es:4,4:3,1:2,2:1,0:0}

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

116t=[11,22,33,44,55,66,77,88,99]

Print (list)

for i in list:

If (i% 2==0)

list. xemove(i)

point ("list after removing:", list)

Result

The program has been executed and the output was verified.

output

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

list after removing:[11,33,55,77,99]

AlM: Python program to find gcd of numbes

def gcd(a16):

If(b==0):

xetuxn a return gcd (b, a%b)

9=45

b= 65

4 (gcd (a, b)):

pxint ('GICD of', a, 'and', b, '15', gcd (a,b))

else:

print ('not found')

Result:

The program has been executed and the output was resisted.

GICD of 45 and 65 is 5

Josephone 2000 Buglish with free

at our angular

AIM: Python program to find factorial of a number.

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

factorial=1

If num co:

point ("soxxy, factorial does not exist fox negative numbers")

elif num == 0;

print ("The factorial of 0 is 1")

else:

fox i in sange (1, num+1):

factorial = factorial * i

point (" The factorial of", num, " is", factorial)

Result!

the output was verified.

from bottom

Enter a number: 5
The factorial of 5 is 120

(deposite of the are b)

Campber on a row, with a son James

Program No:19
AIM: Python program to find fibonacci sequence.

def recur-fibo(n):

4 n <= 18

setuan n

else:

setuan (secua-fibo(n-1) + secua-fibo(n-2))

nterms = int (input ("How many teams?."))

If nteams <= 0:

point cuplease enter a positive integer ")

else:

point C'Fibonacci Sequence:0)

for i in range (nteams):

point (vecuo-fibo(i))

Result:

The program has been esecuted and the output was resified.

output

How many teams 2. 4

Fibonacci sequence:

("Basicanias supplies "

- 7 4 /23 cm 2 2 1 1 - 1 12 17 100 100

("Let o po librostone setting

0112

AIM: Python poogoam to perform stoing function.

def add-string (stra):

length=len(sexa)

If length >1:

If sta1[-3:] = "Ing":

Sta 1+ = 'ly'

else:

Sto1+='ing'

return stol

Paint (add-staing (ido'))

Paint (add-staing (according))

Result:

The program has been executed and the output was verified.

doing accordingly

AIM: Python program to pertorm the sum of given items.

numbers=[1,2,3,4,5,2,5]

Sum = Sum (numbers)

Paint (sum)

Result:

The program has been executed and the output was verified.

Celes color Output 22