Program No: 1

AIM: Python program to find area

def area (R):

seturn Pi\* (x\*x);

num = float ("nput (" Enter the value for:"))

print (" Area is %.6f" %. area (num));

RESULT:

The program has been venified and the output was venified.

Output

Enter the value for: 6

Area is 113-04

Program No: 2.

Alm: Python program to find largest among 3 numbers.

num! = "nt (input (" Enter first number"))

numa = "nt ("uput (" Enter second number")

num3 = int (input ("Enter thisq number"))

if numl > numa and numl > num3:

print (" largest is:", mem!)

elif numa > num1 and numa > num3:

print (" largest is:", numa)

print (" largest is:", num3)

The program has been executed and the output was verified.

Technonia Most Output Enter frast number: 5 Enter second number: 6 Enter thing number: 7 Actions If a (A & B); largest 15: 7 num = float (input (" Enlew the value for print (" Are is of of" of and (rums));

33 Juile

1000000000

forfered was sail amongs of

extent was restled.

RESOLT:

Program no: 3

AIM: Python program to find square of a number.

number - float (input (" please enter any numeric
value:"))

square = number \*\* a

print (" The square of Given number is", square)

Result:

The program has been executed and out was verified.

1 2 sold an ing OUTPUT. proved land his de margor would ! Please enter any numeric value: 5 The square of given number is: 2500 - Parel > writed and vorsel > write 3 : mint (" largest is: ", min)

one of some of some of part (" largest is:", wemas)

(Emms 2 231 despest 11) dans

the people has been executed and the

Program no: 4.

AIM: Python program to find area of circle.

From math import pi

8= float Cinput the nadius of the circle:"))

print (" The area of the circle with redius"

+ str (x) +" is:" + str (pixxxxx))

RESULTS

The program has been executed and the output was verified.

Output . ways for it waspers with some Input the radius of the circle: 4 The area of the circle with radices 4.0 1s: 50.2654. Educie = noticupes of the B poliste (il The square of Episen marker is surprise)

The perform has been executed and seek

Recalli

Date: 26/01/2021 Program no: 5 AIM: Python program to find square of n list 1 = [14, 16, 8, 3] for n in list1: Square = n\*\*n print (n, squared is', square)

The program has been executed and the output uns verifted.

Output

14 squared is 196

16 squared is 256

3 squared is 24

The program has been exembed and the

2 35 2 35

if was verified.

RESULT:

The program has been executed and the output was vosified.

32 10 10 2 2 1 1 1 grow may Output Given sking: 15+1= [14, 16, 8, 8] Have a mice day : 1 fell of 10 20 The vowels present in the string: 3° a', 'e', '; '} } a ' is prompt (or) don't

The grayers has been executed and the

whole was vestfal,

Date: 26/01/2021 Program No: 7. AIM: Python program to & count words in a sentence. def word\_count (sts):

counts = dict () words = sts. split() for words in words. if word in counts: counts [word]+=1 else:
counts [word]=1 return counts print (word-count (' klinning doesn't always mean being bester being best being bester before.")

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

विदे : अर्थान Output: 3 'kliming': 2, 'elpesn't': 1, 'always': 1, mean'2, 'being: 1, first': 1, 'you're': 1, 'doing': 1, ebetta':1, 'than':1, gou've':1, done':1, before: 1} or has a special or due set due!) to a see

(as the venete preent to the strong of the

The program has been created and the

Program No:8.

AIM: Python program to count a la alist!

a = ['apple', mango', 'esnapes, 'banana']

str1 = [". join (a))

count =0

for i in sta 1:

if i= 'a':

count = count +1

print (" count of a in the list is: "+sts (ocunt))

Result:

The program has been executed and the

output was verified.

Froh across Count of a in the list is: 6 (sta) Joseph (sta): Count = dick of some weeks sto splite) of special in specials. if word in counts: counts [word] = 1 counts [cond]=1 clayer counts not ( word - count ( tellming spoont shows more istry first, utionized over Horized doing letter then you've down he lose ">

Date: 26/01/2021 Program no. 9 AIM: Python program to check the length of lists list1 = [1,2,3,4,5,6] list 2 = [6,7,8,9,10,11] len1 = len (list 1) lena= len (lista) if leni = = lena: print ( both list have equal length') else:
print (1 both tist doesn't have equal length') The pregram has been executed and the output was verified.

Comme No: 8 output
both list bare equal length. (ta) = (11. join (a)) count en निवां कि डिकार court = rount +1 priol (1 count of a so the list is: 1 + she (nound)) The property has exemited and the halfiner was pooled Program no: 10

AIM: Pethen program to check the sum of lists.

18t1 = [1, 2, 3, 4, 5,6,7]

lista = [2,4,1,7,6,3,5]

total 1 = sum (list1)

totala = sum (lista)

if total == total :

print ( both list have quel sum')

els: print (1 both list doesn't have equal suno')

The program has been executed and the output was verified.

both let bave equal suro. [11,01,7,8,4,10,11] = les (list 1) color (lista) lent = = long: plat (a poll list pare squel realfy) prot (1 both test speedt hour spell bester) the program has been exempled and the Program no:11 Arm: Pethon pregram to check whether any value oucus in both.

list 1 = [1, 9, 3, 4, 5, 6, 7] list 2 = [4, 3, 4, 2, 1, 5, 6]

for value in list 1:

Common=1

if common = = 1: print ('there is common element')

els: print (' no common dement')

Result :-

The program has been executed and the output was verified.

למבקיבות חבר וב there are common element. 1881=[[23 4, 5,6,4] [de, [2,4,1,7,6,3,5] total = sum ( list 1) idel 8= sun (lists) ( blale == tota ? perst (" both last have good same") els: perot (1 bolb tist doesn't have equal sum!) Level! The best on the poer carried and the output was venified.

elef change\_chan (str):

chan = stri [o]

stri = stri . replea (chan, 13')

stri = char + stri [i:]

return stri

pxint (change\_char ('classic'))

Result:

The program has been executed and the output was verified.

10/1/22 30 their Tallers graphen to check whether Output: eaus in both [16] = [1,3,3,4,5,0,1] [4,3,4,2,6,4] = 2 1/4 for value to list 1: Commen = 1 Conner ==1: Frist (! there is remain element!) ( trems amount on 1) tong : 40 found :-The program has been executed and the output

Date: 26/1/21 Program No: 13 AIM: Create a string from given string where first and last characters exchanged. sts = " haptop" print (sts) print (8ts [-1:] + sts [:-1]+sts [:1]) Result.

The program has been executed and the output has verified.

Sel a Oct oranged Contput: day and and produced to have and a sent to the sent to paptol sends demp dy sus of dies party of theonge - ches (stil): class = star [0] 861 = stor. ocplea (chen. 13) Stor = class + stor [1:] 1 होर वटारे अ (Colonge ches ('chesic')) Merch The program has been evented and by caput was vailed.

Program no: 14

AIM: Accept an integer n and compute nontonn.

n = int (renter a number n:"))

temp = sts (n)

t1 = temp + temp

ta = temp + temp + temp

comp = n+ int (t1) + int (ta)

print (" The value is:", comp)

Result: -

The program has been executed and the output has verified.

E1: ou onay Output! The value is 584 the " hopep" (ds) told ([1] 表十[1:] + 病 [:1] + 病 Result. The program his been executed and the cripit has verified.

```
Date: 26/1/2021
 Program no: 15.
 AIM: Find ged of 2 numbers
 elef Compute aco (a, b):
     if b == 0:
       return a
         return Compute CICO (b, a/b)
num! = int (input (" Enter the first numba:"))
nume = int (input (" Entes the second number:"))
print (compute aco (num!, num2))
Result:
The program has been executed and
the output has verified.
```

Al con any Output'-Enter the first number: 8
Enter the second number: 6 ( = 8 (m) daing a daing . - temp is temp + temp es with Tot (t) of hot (ta) of (" The value is:", comp). for between 100 part and 2011. entput has verified.