ILAHIA COLLEGE OF ENGINEERING AND TECHNOLOGY

Department of MCA

First Semester McA (2020 Scheme) Practical Examination June 2021

20HCA 131 PROGRAMMING LAB

Date: 2-4-2021

Time 1 pm - 4 pm

Submitted by

1CE20M(A 2023

Batch : B , Set - A.

1) List ordinal value of each element of a word?

list1 = ['shee', 'lee', 'reshi']

Print ("the organal list: In" + str (list1))

rles = [ord (ele) for sub in list1 for ele in Sub]

print (" the ascen list is: In"+ str (xes))

Predicted output

the original hist :is

['shee', 'lee', 'reshi']

the ascen list is:

[115, 104, 101, 101, 101, 101, 101, 114, 101, 115, 104, 105]

output.

the orginal list:

['shee', 'lee', 'reshi']

the axi list is:

115, 104, 101, 101, 108, 101, 101, 114, 101, 115, 104, 105]

Algorithm.

Step 1: Start

step 2 ; list some words

Step 3: Print the original list

Step 4: Ordinal elements for such in list 1 for elements in sub

Step 5: Print the ascii list

step 6: Stop.

Create a package graphics with Modules rectangle, Cincle and Sub package 3D graphics with Modules Cuboid and Sphore Include Methods to find axea and posimeter of respective figures in each Module. Write programs that find area and posimeter of figures by different importing statements?

Circle App Function . Py

cincle Area

dof CAMER (X):

Hesult = 3.14 + 21 xx

retwen result

Cixcle Porimdor

det commeter (x):

Hesuit = 2 * 3.14 * 71

suhan susult

rectangle App Function. Py.

wea of rulangle

det RAMER (10,1):

susuit = 10 * 1

gathern susuit

perimeter of xerbangle

def Rpoeinder (D,1):

yessuit = 2 * (1+w)

retween result

30 graphics

cuboid App Function . Py

area of cuboid

de Acuboid (a):

stessist = 6*a*a

stessist = 6*a*a

stessist = 4*(1+b+h)

stessist = 4*(1+b+h)

Sphere App Function. Pt

axea and primetor of sphere

def Asphere (x):

Musuit = 4*3.14 *x *x

Musuit

preimeter from

def Psphere (x):

yesult = (4/3) *3.14 * x x x x x

yesun rusult

graphismain Py

from graphics rectangle App Function import *

from graphics. Circle App Function import *

from graphics. dgraphics. Cuboid Apparation import *

from graphics. dgraphics. Sphere App function import *

from graphics. dgraphics. Sphere App function import *

num! = int Cinput ("enter length of rectangle"))

num = int Cinput ("enter length of rectangle"))

Prent ("axea =", Ranca (num!, num:))

Prent ("perimeter =", Reximiter (num!, num:))

radius = int Cinput ("enter the readius of cincle"))

Prent ("cincle Area", Caxea (readius))

Prent ("cincle Area", Caxea (readius))

Prent ("cincle Area", (prointex (readius))

pradins = int (input (" enter the madins of spore"))

Print (" area of Spore", Asphore (radius))

Print (" porimeter of spore", psphore (radius))

edge = int (input (" enter the edge of cuboid"))

1 = int (input (" enter the length of cuboid"))

b = int (input (" enter the length breadth of cuboid"))

h = int (input (" enter the height of cuboid"))

Print (" area of cuboid", A cuboid (radius))

Print (" printer of cuboid", Paboid (1, b,h))

Predicted output

enter length of rectangle 2
enter breadth of retangle 3
wea = 6

Perimeter = 10

enter the reading of circle 3

Circle anen 28.25 949

Circle Position 18.84

enter the radius of spice 3

axea of Spexe 113.0399

Porimeter of sphere 113.0399

enter the edge of cuboid 4

enter the length of cuboid 5

enter the breadth of cuboid 6

enter the height of cuboid 8

axes of cuboid 54

Peximiter of cuboid 76.

Output

enter length of realangle 4 enter breadth of rectangle 6 axia = 24 Perimeter = 20 enter the radius of circle 6 circle area 113.0399 Circle primete 37.68 enter radius of sphere 4 area of spac 200.96 Perimone of Spore 267.9466 enter the edge of cuboid 7 entor length of cuboid 4 enter breadth of cuboid 9 enter the hught of wood 7 axea of cuboid 96 pocimeter of cuboid 80

Algorithm -

Step 1: Start the variables.

Step 3: Instralia the variables.

Step 3: Import all program function from Module graphics Package

and its Sub Package 3D graphics.

Step 4: Read values from keyboard to display were and Pocimetic of vaccious shapes.

Step 5: Call Fundrous to Hain Program for calculation of which, perimeter of various shapes.

8kp6: 8kp.