FIRST SEMESTER MCA (2020 SCHEME)

PRACTICAL EXAMINATION JUNE - JULY 2021

20MCA131 PROGRAMMING LAB

Regno: ICE 20MCA-2040 Date: 02 July 2021

Time: 1 pm - 4.30 pm

SET A

1 LIST ordinal value of each element of a word?

图:

Algorithm

Step 1: Start

Step 3: print the array as "original list!"

Step 4: Declare a variable res for result

and provide a loop to print ordina

value of lach word.

Step 6: Stop.

program

list = ['python', 'java', 'linux']

print (" The original list \n", Str (list 1))

res = [ord (ele) for sub in list! for ele in sub]

print ("The Ascii list is: \n", str (res))

Expedded output

The original list

E'python, 'java', 'linux']

The ASCII list is:

[112, 121, 116, 104, 111, 110, 106, 97, 118, 97, 108, 105, 110, 117, 126]

Real output

The original list:

[ python , java, linux]

The ASCII list is:

[112, 191, 116, 104, 111, 110, 106, 97, 118, 97,

108, 105, 110, 117, 120]

Real output

The original list:

['shee', 'lee', 'seshi']

The ASCII Lest is:

[115,104,101,101,108,101,101,114,101,115,104,

2. Cheate a package graphics with modules
reclarge, circle, and subpackage 3D graphics
with modules cuboid and sphere bodude
methods to find area, and perimeter of respected
figures in each module write program that
find area and perimeter of figures by dyferent
importing Statements.

Program

Graphics -> circle function py

des circlearea (r):

area = 3.14 \* 8 \* 8

Retuen area

des ciacle perimeter (x):

perimeter = 2 x 3.14 x x

retuen perimeter

Graphics -> rectfunction py

des rectarea (1, w).

area = 1 × co

return area

des redperimeter (1, w)

perimeter = 2+ (1+w)

return perimeter

Graphics -> Dgraphics -> credefunction - py def cuboidarea (1, w, h): area = 2 x (1 \* w + w \* h + h \* 1) letuen area des cuboid perimeter (1, w, h): perimeter = 4 x (1+w+h) Retuen perimeter Creaphics -> pgraphics -> circle function · py def spherearea (2): area = 4 x 3.14 x x x Retuen area area perimeter py def sphere perimeter (x): perimeter = 0 \* 3.14 x 2 Return primeter Isom Graphics rectfunction impost \* from Chaphics: circlefunction import + from Graphics. Dgraphics cuboid function import From graphics Dgeaphies sphere function

impost \*

length = float (input (#Enter the length:"))

width = float (input ("Enter coidth:"))

point ("Rectangle Area = ", rectarea (length,

width))

print ("Rectangle Perimeter =", rect Perimeter (

length, width))

Radius = float (Input ("enter the Radius"))

Print (" circle Area = ", circle area (radius))

Print (" circle Perimeter = ", circle perimeter (

Radius))

length = float (input ("Ender the length"))

width = float (input ("Ender the width"))

height = float (input ("Ender the height"))

print ("cuboid Area =", cuboidarea (length,

width, height))

Radius = float

print ("cuboidPerimeter =", cuboid perimeter (length, width, height))

print ("Sphere Area = " Sphere area (santing)

## Expected output

Enter the length: 5 Enter the width : 2 Rectangle Area = 10.0 Rectangle perimeter = 14.0 Enter the Radius: 6 circle Area = 113.039999 ciacle Perimeter = 37.68 Enter the length : 10 Enter the width: 4 enter the height: 8 cuboid Area = 304.0 Caboid perimeter = 88.0 Enter the radius = 12 Sphere Anea = 1808. 63999 Sphere perimeter = 75.36

Real output entre Radices: 3 area of circle = 28.2743 perimeter of arch = 18.8495 enter length : ? enter width: 3 Rectangle Area = 6 Rectangle perimeter = 10 Enler length: 4 Entre the width: 5 Endee the height 6 Cuboid area: 148 cuboid preimètre : 480 Entre the Radius: 4 Sphere Anea = 201.0619