ENSF 409

Post Lab 5

William Ledingham

2020-03-04

**Exercise 2**

**Program Output:**

Here are the original values in r1:

Shape name: R1

Origin: X-coordinate: 3.0

Y-coordinate: 4.0

Black point

Width: 6.0

Length: 5.0

Here are the original values in c1:

Shape name: C1

Origin: X-coordinate: 13.0

Y-coordinate: 14.0

Green point

Radius: 15.0

Here are the original values in r2:

Shape name: R2

Origin: X-coordinate: 23.0

Y-coordinate: 24.0

Black point

Width: 26.0

Length: 25.0

Here are the original values in c2:

Shape name: C2

Origin: X-coordinate: 33.0

Y-coordinate: 34.0

Yellow point

Radius: 35.0

Here are the original values in p1:

Shape name: P1

Origin: X-coordinate: 43.0

Y-coordinate: 44.0

White point

Width: 46.0

Length: 45.0

Height: 47.0

Here are the original values in p2:

Shape name: P2

Origin: X-coordinate: 53.0

Y-coordinate: 54.0

Gray point

Width: 56.0

Length: 55.0

Height: 57.0

Here are values for r1 after calling enlarge(2.0):

Shape name: R1

Origin: X-coordinate: 3.0

Y-coordinate: 4.0

Black point

Width: 12.0

Length: 10.0

Here is the font size for r1.name after calling enlarge(3.0):

30.0

Here are values for c1 after calling shrink (2.0):

Shape name: C1

Origin: X-coordinate: 13.0

Y-coordinate: 14.0

Green point

Radius: 7.5

Here are values for p1 after calling enlarge (0.5):

Shape name: P1

Origin: X-coordinate: 43.0

Y-coordinate: 44.0

White point

Width: 23.0

Length: 22.5

Height: 23.5

Here are values for p1 after calling shrink (0.5) -- UNCHANGED:

Shape name: P1

Origin: X-coordinate: 43.0

Y-coordinate: 44.0

White point

Width: 46.0

Length: 45.0

Height: 47.0

**Exercise 3**

**Program Output:**

Do you wish to calculate a sum? (y/n)

y

Please input the sequence of integers to sum, terminated by a 0

20

5

a

Invalid Number. Please re-enter.

2

0

The sum is 27

Do you wish to calculate another sum? (y/n)

s

Please answer y or n

y

Please input the sequence of integers to sum, terminated by a 0

870

30

0

The sum is 900

Do you wish to calculate another sum? (y/n)

y

Please input the sequence of integers to sum, terminated by a 0

0

The sum is 0

Do you wish to calculate another sum? (y/n)

n

Goodbye