Comp 371 A1 Sample Run

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Enter the size of the array: 5

0

1

2

3

4

Menu:

1. Display Triangle Coordinates

2. Translate Triangle

3. Calculate Area

4. Exit

Enter your choice: 1

Triangle vertices:

(0, 0, 0)

(1, 0, 0)

(0, 1, 0)

Menu:

1. Display Triangle Coordinates

2. Translate Triangle

3. Calculate Area

4. Exit

Enter your choice: 3

Area: 0.5

Menu:

1. Display Triangle Coordinates

2. Translate Triangle

3. Calculate Area

4. Exit

Enter your choice: 2

Enter distance to translate: 4

Enter axis (x, y, z): x

Translation successful!

Menu:

1. Display Triangle Coordinates

2. Translate Triangle

3. Calculate Area

4. Exit

Enter your choice: 1

Triangle vertices:

(4, 0, 0)

(5, 0, 0)

(4, 1, 0)

Menu:

1. Display Triangle Coordinates

2. Translate Triangle

3. Calculate Area

4. Exit

Enter your choice: 2

Enter distance to translate: abc

Invalid d!

Menu:

1. Display Triangle Coordinates

2. Translate Triangle

3. Calculate Area

4. Exit

Enter your choice: 2

Enter distance to translate: 4

Enter axis (x, y, z): 3

Invalid axis!

Menu:

1. Display Triangle Coordinates

2. Translate Triangle

3. Calculate Area

4. Exit

Enter your choice: 4

Point destructor called

Point destructor called

Point destructor called

Triangle destructor called