

Task(7.4)

Create a C++ program that lets the user calculate the area of different shapes—rectangles(R), circles(C), and triangles(T). Implement functions to compute the area of each shape and demonstrate their usage in the main program.

Instructions:

1. Define Functions:

- Implement the following functions:
 - `double calculateRectangleArea(double width, double height)` - Calculates the area of a rectangle.
 - `double calculateCircleArea(double radius)` - Calculates the area of a circle.
 - `double calculateTriangleArea(double base, double height)` - Calculates the area of a triangle.
 - **YOU CAN ADD MORE FUNCTIONS FOR DIFFERENT SHAPES.**

2. Create a Main Program:

- let the user choose which shape he wants to calculate the area for and call the appropriate functions to calculate their areas, then display the results.

Thank You