Capital University of Science and Technology
Department of Computer Science

CS1143 - Object Oriented Programming
ASSIGNMENT NO. 03

Semester: FALL 2024   **Max Marks:** 10

Instructors: Muhammad Zeeshan Sabir

Assigned Date: 12 Dec 2024   **Due Date: 14 Dec 2024 @ 11:59 pm**

Question 01
Submit the code (program.cpp and Screenshort (.pdf)) of the following program:

- The following program makes a class Shape and then inherits 3 shapes from it, Square, Circle and Rectangle.
- Each class overrides the function getArea() and has its own implementation of this function.
- In the main function, use polymorphism to call getArea(). Also delete the pointers to avoid any memory leaks,