LAB ASSIGNMENT

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Background & Use case

• he "Shape" class is an abstract class that defines the area method without implementation.

• The "Rectangle" class extends the "Shape" class and provides an implementation of the area method based on the rectangle's width and height.

• The "Circle" class also extends the "Shape" class and implements the area method based on the circle radius.

• The "ShapeApp" object contains the main method where you can test functionality. It creates instances of Rectangle and Circle, and calls their area methods to calculate and print the respective areas

Problem Statement: Write a Scala program that creates an abstract class Shape with an abstract method area. Implement subclasses Rectangle and Circle that override the area method.

