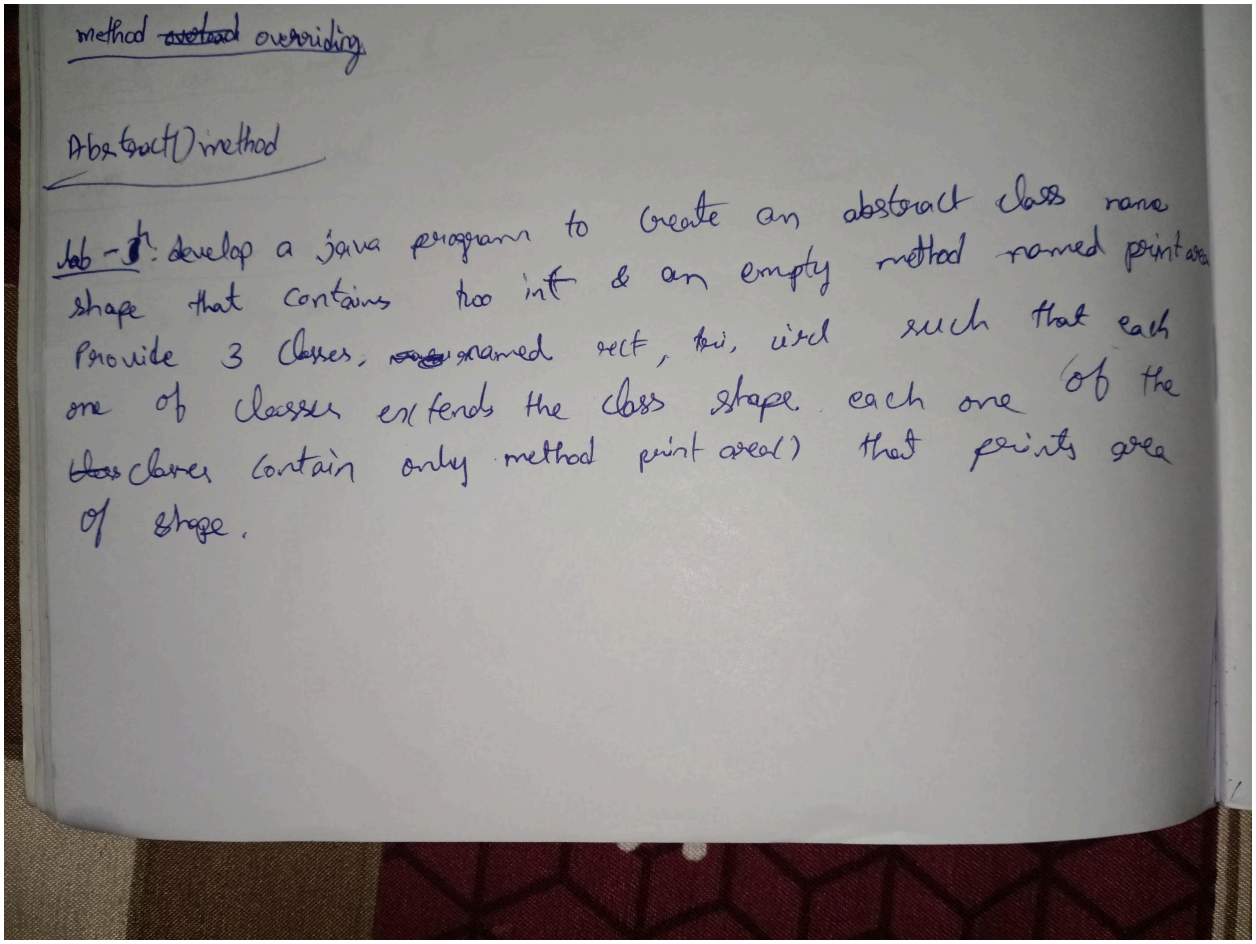


```
// Abstract class Shape
abstract class Shape {
    int a, b;

    // Abstract method
    abstract void printArea();
}

// Rectangle class extending Shape
class Rectangle extends Shape {
    Rectangle(int x, int y) {
        a = x;
        b = y;
    }

    void printArea() {
        System.out.println("Area of Rectangle: " + (a * b));
    }
```

```
}

// Triangle class extending Shape
class Triangle extends Shape {
    Triangle(int x, int y) {
        a = x;
        b = y;
    }

    void printArea() {
        System.out.println("Area of Triangle: " + (0.5 * a * b));
    }
}

// Circle class extending Shape
class Circle extends Shape {
    Circle(int r) {
        a = r;
    }

    void printArea() {
        System.out.println("Area of Circle: " + (Math.PI * a * a));
    }
}

// Main class
public class AbstractMethodDemo {
    public static void main(String[] args) {
        Rectangle rect = new Rectangle(10, 5);
        Triangle tri = new Triangle(10, 8);
        Circle cir = new Circle(7);

        rect.printArea();
        tri.printArea();
        cir.printArea();
    }
}
```