Aim:

write a java program to prevent inheritance using abstract class.
- Create an abstract class `Shape`
- Create a class `Rectangle` which extends the class `Shape`
- Class Rectangle contains a method **draw** whcih prints **drawing rectangle**
- Create another class `circle1` which extends `Shape`
- Class circle1 contains a method **draw** whcih prints **drawing circle**
- Create a main class `TestAbstraction1`
- Create object for the class circle1 and called the method draw

Source Code:

TestAbstraction1.java

```java
abstract class Shape
{
        abstract void draw();
}
class Rectangle extends Shape {
        void draw() {
                System.out.println("drawing rectangle");
        }
}
class circle1 extends Shape {
        void draw() {
                System.out.println("drawing circle");
        }
}
class TestAbstraction1 {
        public static void main(String args[]) {
                Shape s = new circle1();
                        s.draw();
        }
}
```

Execution Results - All test cases have succeeded!

Test Case - 1
User Output
drawing circle