S.No: 12	Exp. Name: *write a java program to prevent inheritance using abstract class.*	Date:2023-10-11

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{

}
class Rectangle extends Shape{

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

Execution Results - All test cases have succeeded!

Test Case - 1
User Output
drawing circle