Lab13-Assignment

Name: M Bhagyalaxmi   Student id: AF0339449

1) create a custom exception class to check the number is non zero value.

   implement in a class which find square of given number.

```java
package com.wrapperclass.examples;
class NonZeroException extends Exception {
    public NonZeroException(String message) {
        super(message);
    }
}
public class SquareOfNum {
    private double number;

        public SquareOfNum(double number) throws
NonZeroException {
            if (number == 0) {
                throw new NonZeroException("Number
cannot be zero.");
            }
            this.number = number;
        }

        public double findSquare() {
            return number * number;
        }
        public static void main(String[] args) {
            try {
                double inputNumber = 5; // Change this
to the number you want to find the square of
                SquareOfNum squareFinder = new
SquareOfNum(inputNumber);
                double result =
squareFinder.findSquare();
                System.out.println("The square of " +
inputNumber + " is: " + result);
            } catch (NonZeroException e) {
```

```java
                System.err.println("Error: " +
e.getMessage());}
}
}
```

Output:

```java
1 package com.wrapperclass.examples;
2 class NonZeroException extends Exception {
3     public NonZeroException(String message) {
4         super(message);
5     }
6 }
7 public class SquareOfNum {
8     private double number;
9
10     public SquareOfNum(double number) throws NonZeroException {
11         if (number == 0) {
12             throw new NonZeroException("Number cannot be zero.");
13         }
14         this.number = number;
15     }
16
17     public double findSquare() {
18         return number * number;
19     }
20     public static void main(String[] args) {
```

Problems @ Javadoc Declaration Console × Coverage

terminated> SquareOfNum [Java Application] C:\Users\USER\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_19.0.2.v20230129-1123\jre\bin\javaw.exe (Nov 11,

The square of 5.0 is: 25.0