Lab13-
Assignment

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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) {
```

```
The square of 5.0 is: 25.0
```