

LAB13_ANP_C6339_CUSTOMEXCPETION

Due date: Monday, 20 November 2023, 5:30 AM

Maximum number of files: 1

Type of work: Individual work

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Assignment-1.

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

implement in a class which find square of given number.

Solution:-

```
//Custom Exception Class
```

```
class NonZeroException extends Exception {  
    public NonZeroException(String message) {  
        super(message);  
    }  
}
```

```
//Class to Find Square of a Number
```

```
class Square Calculator {  
  
    public static int findSquare(int number) throws NonZeroException {  
        if (number == 0) {  
            throw new NonZeroException("The number cannot be zero.");  
        }  
  
        return number * number;  
    }  
}
```

```
//Main Class
```

```
public class SquareCalculatorMain {  
  
    public static void main(String[] args) {  
        int num = 6;  
  
        try {
```

```
int square = SquareCalculator.findSquare(num);

System.out.println("The square of " + num + " is: " + square);

} catch (NonZeroException e) {

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

}

}

}
```

Output:

```
C:\Users\thila\OneDrive\Desktop\Anudip_Labs>javac SquareCalculatorMain.java

C:\Users\thila\OneDrive\Desktop\Anudip_Labs>java SquareCalculatorMain
The square of 6 is: 36
```
