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Course:- Java Full Stack Development

Ref. No. SCS/CG/2021/025

Program name :- Exception Handling

Code : -

```
class Main {  
    public static void main(String[] args) {  
        try {  
            int divideByZero = 5 / 0;  
        }  
  
        catch (ArithmeticException e) {  
            System.out.println("ArithmeticException => " + e.getMessage());  
        }  
  
        finally {  
            System.out.println("This is the finally block");  
        }  
    }  
}
```

PROGRAM 2

```
import java.io.*;  
  
class Main {  
    public static void findFile() throws IOException {  
  
        File newFile = new File("test.txt");  
        FileInputStream stream = new FileInputStream(newFile);
```

```
}
```

```
public static void main(String[] args) {  
    try {  
        findFile();  
    }  
    catch (IOException e) {  
        System.out.println(e);  
    }  
}  
}
```

#### PROGRAM 3

```
import java.util.*;  
public class Main {  
    static List<String> list = new ArrayList<String>();  
    public static void main(String args[]) throws Exception  
    {  
        Integer[] array = new Integer[100000 * 100000];  
    }  
}
```

#### PROGRAM 4

```
class Main {  
    public static void main(String args[])  
    {  
        try {  
            //define two numbers  
            int num1 = 100, num2 = 0;
```

```
int result = num1 / num2; // divide by zero

    //print the result
System.out.println("Result = " + result);
    }
catch (ArithmeticException e) {
System.out.println("ArithmeticException:Division by Zero");
    }
}
}
```