EXPERIMENT – 3.3

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Subject Name: OOP using JAVA	**Subject Code:** 21CSH-218

Aim of the practical: Given two integers x and y as input, you have to compute x/y. If x and y are not 32-bit signed integers or if y is zero, exception will occur and you have to report it.

Objective: Exception handling is the process of responding to the occurrence, during computation, of exceptions – anomalous or exceptional conditions requiring special processing – often changing the normal flow of program execution

Program Code:

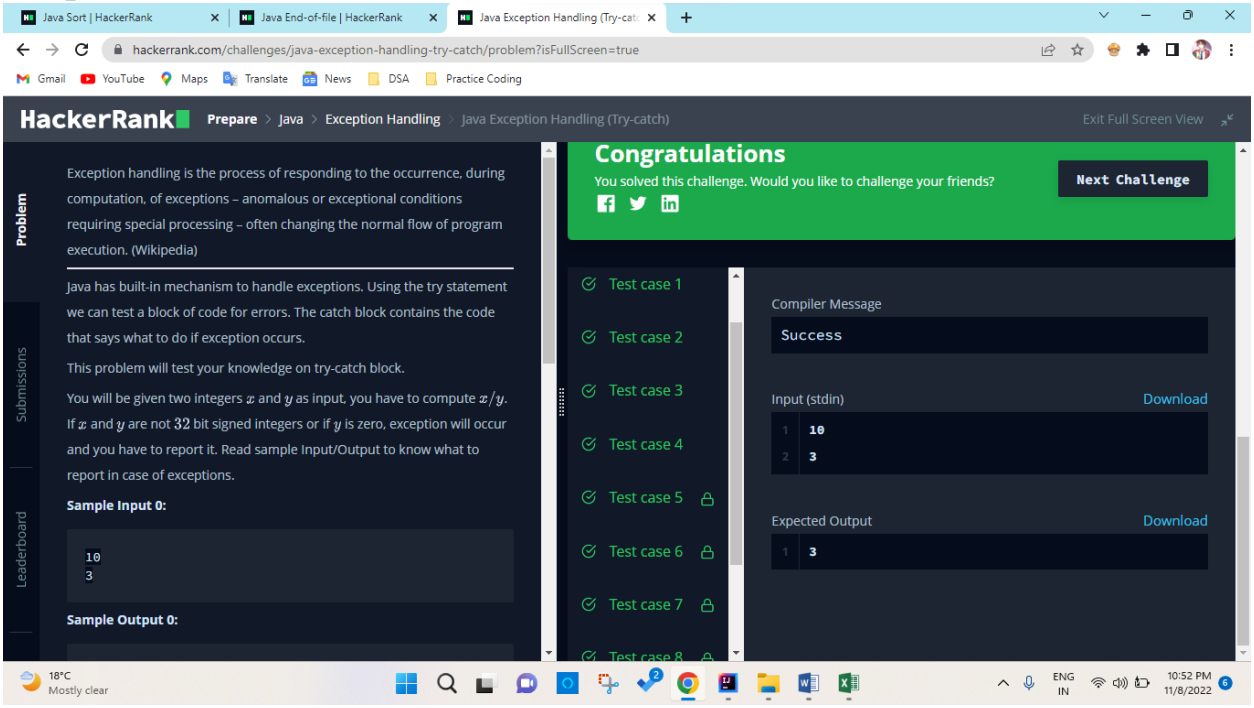
```
import java.util.*;

public class Solution {

    public static void main(String[] args) {
        Scanner input = new Scanner(System.in);
        try{
            int a = input.nextInt();
            int b = input.nextInt();
            int res = a/b;
            System.out.println(res);
        }
```

```
        catch (Exception e){
            if (e instanceof InputMismatchException){
        System.out.println("java.util.InputMismatchException");
            }
        else{
        System.out.println(e);
            }
        }
    }
}
```

Output:



Learning outcomes (What I have learnt):

1. We learned to use Exception class
2. We learned How to use Try and Catch