2/3/22

19

EXPERIMENT NO: 8
Exception Handling

Aim

Write a java program that shows the usage of try, catch, throws and finally.

Input

Two numbers from user for division.

Output Expected

Handles arithemetic exception if occurs

Algorithm.

Start

1. throw Arithmetic exception.
2. Inside try block
3. Enter two numbers from user num1 and num2
4. Print result = num1/num2
5. Inside catch block
6. Print "exception caught"
7. Inside finally block
8. Print "finally block is implemented.

Stop

2/3/22

20

Result

Output is obtained

Output

```
Enter num 1 : 78
Enter num 2 : 0

---x Exception Caught x---

FINARLY Block IS IMPLEMENTED :)
```

```
//327
//Dovika B
//Section D : Qn 1
//Exception Handling

import java.util.*;
class exception {

	static void div() throws ArithmeticException
	{
		int num1,num2;
		Scanner sc = new Scanner(System.in);
		System.out.print("Enter num1 : ");
		num1 = sc.nextInt();
		System.out.print("Enter num2 : ");
		num2 = sc.nextInt();
		System.out.println("\nRESULT = "+(num1/num2));
	}

	public static void main(String args[])
	{


		try {
			div();
		}
		catch (ArithmeticException e) {
			System.out.println("\n-----X Exception Caught X-----");
		}
		finally{
				System.out.println("\nFINALLY BLOCK IS
IMPLEMENTED :)");
		}
	}
}
```