# WEEK-7: EXCEPTION HANDLING

Write a program to perform integer divisions. The user enters two numbers, Num1 and Num2. The division of Num1 and Num2 is displayed. If Num1 or Num2 were not an integer, the program would throw a NumberFormatException. If Num2 were Zero, the program would throw an ArithmeticException. Display the exception.

|  |  |
| --- | --- |
| **S.No** | **Problem Statement** |
| **1** | Write a Java Program to find Math.pow(n,p). - If either n or p is negative, then the method must throw an exception which says "n or p should not be negative.". - If both n and p are zero, then the method must throw an exception which says "n and p should not be zero." |
| **2** | Write a Java Program that reads two integers by passing arguments to main() and find sum of squares of two integers. Handle ArrayIndexOutOfBoundsException. (result=x2+y2) |
| **3** | Write a Java Program to count number of invalid entries. Example: java example 5 2 a 1 b => Invalid = 2 |
| **4** | Write a Java Program to demonstrate try with multiple catch block. (ArithemeticException,NullPointerException, ArrayIndexOutOfBoundsException) |
| **5** | Write a program to perform integer divisions. The user enters two numbers, Num1 and Num2. The division of Num1 and Num2 is displayed. If Num1 or Num2 were not an integer, the program would throw a NumberFormatException. If Num2 were Zero, the program would throw an ArithmeticException. Display the exception. |
| **6** | Write a Java Program to demonstrate **NegativeArraySizeException.** |
| **7** | Write a Java Program to demonstrate **NullPointerException** |
| **8** | Write a Java Program to demonstrate **StringIndexOutOfBoundsException** |
| **9** | Write a Java Program to demonstrate **IOException** |
| **10** | Write a Java Program to demonstrate **FileNotFoundException** |