Experiment No. __7__

Date of performance: 24/08/22

Date of Submission: 24/08/22

SAP Id: 500091584

Roll No.: R2142210822

Name of the Student: Ujjwal Kumar Gupta

1. Title: Exceptions

2. Objective: Exceptions

3. List of lab activities:

- 1) Write a program in Java to display the names and roll numbers of students. Initialize respective array variables for 10 students. Handle ArrayIndexOutOfBoundsExeption, so that any suchproblem doesn't cause illegal termination of program.
- 2) Write a Java program to enable the user to handle any chance of divide by zero exception.
- 3) Create an exception class, which throws an exception if operand is nonnumeric in calculatingmodules. (Use command line arguments).
- 4) On a single track two vehicles are running. As vehicles are going in same direction there is no problem. If the vehicles are running in different direction there is a chance of collision. To avoidcollisions write a Java program using exception handling. You are free to make necessary assumptions.
- 5) Write a java program to throw an exception for an employee details.
- If an employee name is a number, a name exception must be thrown.
- If an employee age is greater than 50, an age exception must be thrown.
- Or else an object must be created for the entered employee details
 - 4. Algorithm/Flowchart and Code followed by Output screenshot (2samples for each program):

5. Brief notes about all the concepts related to the lab experiment