Homework: Exception Handling

This document defines the homework assignments from the ["OOP" Course @ Software University](). Please submit as homework a single **zip** / **rar** / **7z** archive holding the solutions (source code) of all below described problems. The solutions should be written in C#.

Problem 1.   Square Root

Write a program that reads an integer number and calculates and prints its square root. If the number is invalid or negative, print "Invalid number". In all cases finally print "Good bye". Use **try-catch-finally**.

Problem 2.   Enter Numbers

Write a method **ReadNumber(int start, int end)** that enters an integer number in given range [start…end]. If an invalid number or non-number text is entered, the method should throw an exception. Using this method write a program that enters 10 numbers: $a_1, a_2, … a_{10},$ **such that** $1 < a_1 < … < a_{10} < 100$. If the user enters an invalid number, let the user to enter again.