LAB EXERCISE 10: EXCEPTION HANDLING

INSTRUCTION:

1. Do the Tutorial and view the output. Answer the given Question for each tutorial given.

TUTORIAL

A. Write a program that gets a person's age and replies with the year in which the person was born. Notice the program takes into consideration whether the person already had a birthday this year.

First, create a class name AgeInputVer1. And write this coding.

```
import javax.swing.*;
public class AgeInputVer1 {
    private static final String DEFAULT_MESSAGE = "Your Age: ";
    public AgeInputVer1() {
        }
        public int getAge() {
            return getAge (DEFAULT_MESSAGE);
        }
        public int getAge(String prompt) {
            String inputStr = JOptionPane.showInputDialog (null, prompt);
            int age = Integer.parseInt (inputStr);
            return age;
        }
}
```

On the main class, write the coding shows below:

```
public class Ch8AgeInputMain {
    public static void main(String[] args) {
       GregorianCalendar today;
        int age, thisYear, bornYr, answer;
        AgeInputVerl input = new AgeInputVerl();
        age = input.getAge("How old are you?");
        today = new GregorianCalendar();
        thisYear = today.get(Calendar.YEAR);
        bornYr = thisYear - age;
        answer = JOptionPane.showConfirmDialog(null,
                "Already had your birthday this year?", "",
                JOptionPane.YES NO OPTION);
        if (answer == JOptionPane.NO OPTION) {
           bornYr --;
        1
        JOptionPane.showMessageDialog(null, "You are born in " + bornYr);
    }
```

Compile and Run.

- a. Input the value of your age. What happened?
- b. Now, input the value by spells out your age. Instead of 9, write nine. What will happened? Do you get any error message on the output pane?
- B. Using the same code program, now let insert int age = Integer.parseInt (inputStr) statement inside the try block and the statements we want to be executed in response to the thrown exception in the matching catch block.

Compile and run the coding.

- a. Input the value for your age. What happened?
- b. And again, run the coding and spells out your age into the input pane. What will happened?