

# Beginner Java(JD521)

## Group Activity 6

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MARCH 2

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COMPANY NAME

Authored by: Your Name



Logo  
Name

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# Introduction

# Program Content

## Source Code:

class BadSubscriptCaught:Question 1

```
package group.activity.project.pkg7;
import javax.swing.JOptionPane;
/**
 *
 * @author Albert Michael Ludick(5119)
 */
public class BadSubscriptCaught {
```

```
public class BadSubscriptCaught {
    /**
     * @param args the command line arguments
     */
    public static void main(String[] args) {
        String[] FirstNames = new String[8]; //array of eight first names

        FirstNames[0]="Albert";
        FirstNames[1]="Michael";
        FirstNames[2]="Juan";
        FirstNames[3]="Pieter"; // manual entry of array data
        FirstNames[4]="Jessica";
        FirstNames[5]="Mia";
        FirstNames[6]="Chloe";
        FirstNames[7]="Cheryl";
```

```

try{
    //User Input of a integer in a JOptionPane;
    int userAnswer =Integer.parseInt(JOptionPane.showInputDialog
        ("plz enter a "+ "number for the program to "
        + "search for to displzy a name"));
    //Prints the first name according to the integer
    //specified by user
    JOptionPane.showMessageDialog(null, FirstNames[userAnswer]);
}
catch(ArrayIndexOutOfBoundsException ex){//array check that the
    //user selected is not out of array bounds or scope
    JOptionPane.showMessageDialog(null,ex+" :The Number you have "
        + "selected is Too Large between 0 and 8 should it be "
        ,"Error Message"
        ,JOptionPane.ERROR_MESSAGE);
    //above error message to user why the application crashed
    throw ex;//retrow the exception
}
}
}

```

## class TryToParseDouble:Question 2

```
package group.activity.project.pkg7.question.pkg2;
import javax.swing.JOptionPane;
/**
 *
 * @author Mlchael Ludick
 */
public class TryToParseDouble {

    /**
     * @param args the command line arguments
     */

    public static void main(String[] args) {
        double userAnswer;//the variable for the user to answer
        try{//checking if the user entered a value that cannot be parsed into
            //string from double
            userAnswer=Double.parseDouble(JOptionPane.showInputDialog("Plz enter"
                + "an decimal number"));//userinput to JOptionPane error
            //could occur here
        }catch(NumberFormatException ex){//This Exception is to check if the
            //Double.Parse could parse the double to String
            userAnswer =0;//Reset UserAnswer to 0
            JOptionPane.showMessageDialog(null,ex+" :The Number you have "
                + "Entered is not a decimal number or number could not "
                + "be converted to String "+userAnswer
                ,"Error Message");//ERROR Message to display if user
            //entered Wrong Info or double could not parse
            ,JOptionPane.ERROR_MESSAGE);

        }

        ,JOptionPane.ERROR_MESSAGE);

    }

    JOptionPane.showMessageDialog(null,"this is the Dcimal number you "
        + "have enterd"+" "+userAnswer);//display the user number entered
    //as a string
}
}
```



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# Bibliography & References:

## **Websites:**

GeeksforGeek : <https://www.geeksforgeeks.org/>

And Javapoint : <https://www.javatpoint.com/>

Wiki How to do anything : <https://www.wikihow.com/Calculate-Weighted-Average>

## **Books:**

Java\_ A Beginner's Guide, Eighth Edition



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# Appendix

**No Extra files or media.**

Except for the project itself