

6854 Brandon de Bruyn
7293 Luke de Kiewit

Question 1.1

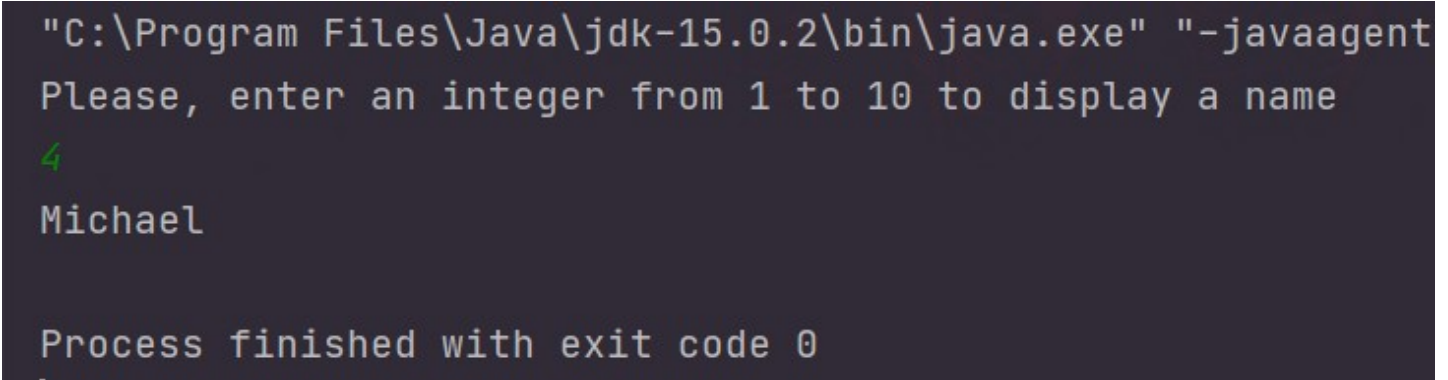
CODE:

```
import java.util.Scanner;

public class BadSubscriptCaught
{
    public static void main(String[] args)
    {
        String[] names = {"Adam", "Jacob","Tom", "Michael","Jacob", "Andrew",
        "William", "Joseph", "Matthew", "Carl"};
        String integer;
        try
        {
            System.out.println("Please, enter an integer from 1 to 10 to display a
name");

            Scanner input= new Scanner(System.in);
            integer = input.nextLine();
            int i = Integer.parseInt(integer);
            i = i-1;
            System.out.println(names[i]);
            input.close();
        }
        catch (ArrayIndexOutOfBoundsException e){
            System.out.println("Your number is out of range");
        }
    }
}
```

SCREENSHOT:



The screenshot shows a terminal window with the following text:

```
"C:\Program Files\Java\jdk-15.0.2\bin\java.exe" "-javaagent
Please, enter an integer from 1 to 10 to display a name
4
Michael
Process finished with exit code 0
```

The input '4' is highlighted in green, and the output 'Michael' is shown on the next line.

Question 1.2

CODE:

```
import javax.swing.*;

public class TryToParseDouble
{
    public static void main(String[] args)
    {
        double inputDouble = 0.0;

        while (inputDouble != 99.0)
        {
            try
            {
                String inputString = JOptionPane.showInputDialog(null,
                    "Please enter a floating point number\nTo quit enter 99");
                inputDouble = Double.parseDouble(inputString);
            }
            catch (NumberFormatException exception)
            {
                inputDouble = 0;
                JOptionPane.showMessageDialog(null, "Error!\nYou must enter a number");
            }
            if (inputDouble == 99.0)
                JOptionPane.showMessageDialog(null, "Goodbye!");
            else
                JOptionPane.showMessageDialog(null, "You had entered " + inputDouble);
        }
    }
}
```

SCREENSHOTS:

