

JavaCodeTester1.java

```
JavaCodeTester1.java - Notepad
File Edit Format View Help
/**
 * Application Purpose: The purpose of this program is to output each of the variables created here onto the users screen.
 * Author: Alex Dorodko
 * Date: 22/SEP/2020
 * \\Time: 02:48 PM
 */

//Declairing the class
public class JavaCodeTester1
{
    //Declairing the main method.
    public static void main (String [] args)
    {
        //Setting up the boolean variable.
        boolean trueFalse = true;

        //Setting up a char variable.
        char character = 'a';

        //Setting up two variables, to then combine them together during output.
        String mainWord = "col";
        String secondaryWord = "lege";

        //Setting up an integer value.
        int integer = 1;

        //Setting up a double variable with an appropriate name.
        double doubleNumber = 23.21;

        //Outputting all of the variables, according to the assignment instructions.
        System.out.println(trueFalse);
        System.out.println(character);
        System.out.println(mainWord+secondaryWord);
        System.out.println(integer);
        System.out.println(doubleNumber);
    }
}
```

```
Command Prompt
Microsoft Windows [Version 10.0.18363.1082]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\sh-al>cd Documents
C:\Users\sh-al\Documents>cd "Georgian College"
C:\Users\sh-al\Documents\Georgian College>cd "Programming Fundamentals"
C:\Users\sh-al\Documents\Georgian College\Programming Fundamentals>cd week2
C:\Users\sh-al\Documents\Georgian College\Programming Fundamentals\Week2>cd "1st Program"
C:\Users\sh-al\Documents\Georgian College\Programming Fundamentals\Week2\1st Program>java JavaCodeTester1.java
true
a
college
1
23.21
C:\Users\sh-al\Documents\Georgian College\Programming Fundamentals\Week2\1st Program>
```

JavaCodeTester2.java

```
JavaCodeTester2.java - Notepad
File Edit Format View Help
/** Application Purpose: The application's purpose is to complete Challenge 2 and 3 and output the results. Some of the things which are done are setting up variables, combining strings, if statements, setting
 * Author: Alex Dorodko
 * Date: 22/SEP/2020
 * Time: 10:45 PM
 */

public class JavaCodeTester2
{
    public static void main (String [] args)
    {
        //Challenge 2

        //Setting up the three strings which will then be combined.
        String text1 = "cool";
        String text2 = "story";
        String text3 = "man";

        //Combining and outputting the three Strings.
        String jointText = text1 + text2 + text3;
        System.out.println("The 3rd character of " + jointText + " is " + jointText.charAt(2) + ". The 5th character is " + jointText.charAt(4) + ". The 7th character is " + jointText.charAt(6) + ".");

        //Setting up a boolean value, to mean false since the 1st word of the jointText is not "test", then outputting the result.
        boolean text = false;
        System.out.println(text);

        //Displaying the joint string from step 2 to be all uppercase.
        System.out.println(jointText.toUpperCase());

        //Setting up an integer variable, then outputting it with the increments.
        int integer = 1;
        System.out.println(++integer);
        System.out.println(integer++);

        //Challenge 3

        //Storing an integer value
        int integer2 = 7;

        //Setting up the condition, where I use modulus to determine if a number is even or odd.
        if (integer2%2 == 0)
        {
            System.out.println("The number is " + integer2 + ", therefore it is even.");
        }
        else
        {
            System.out.println("The number is " + integer2 + ", therefore it is odd.");
        }
    }
}

Ln 1, Col 1 100% Windows (CRLF) UTF-8

Select Command Prompt
Microsoft Windows [Version 10.0.18363.1082]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\sh-al>cd Documents
C:\Users\sh-al\Documents>cd "Georgian College"
C:\Users\sh-al\Documents\Georgian College>cd "Programming Fundamentals"
C:\Users\sh-al\Documents\Georgian College\Programming Fundamentals>cd week2
C:\Users\sh-al\Documents\Georgian College\Programming Fundamentals\Week2>cd "2nd Program"
C:\Users\sh-al\Documents\Georgian College\Programming Fundamentals\Week2\2nd Program>java JavaCodeTester2.java
The 3rd character of coolstoryman is o. The 5th character is s. The 7th character is o.
false
COOLSTORYMAN
2
2
The number is 7, therefore it is odd.
C:\Users\sh-al\Documents\Georgian College\Programming Fundamentals\Week2\2nd Program>
```