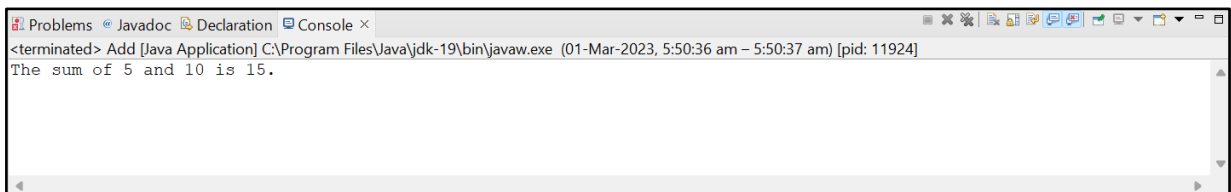# Java Assignment – 03

Topic: Variables ,Data types and String manipulations

1. Declare two variables of type int, and assign values to them. Add the two variables together and print the result.
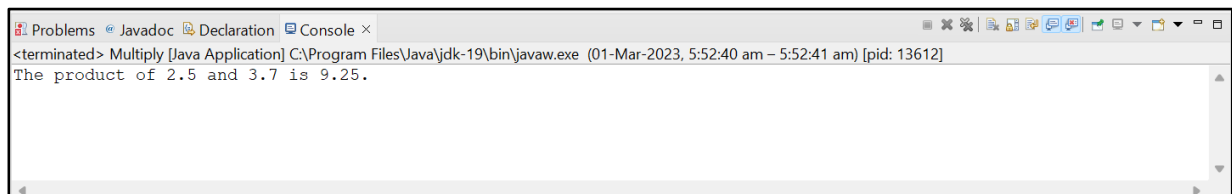
   https://codeshare.io/BA7l9L

   ```
   Problems  @ Javadoc  Declaration  Console ×
   <terminated> Add [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe  (01-Mar-2023, 5:50:36 am – 5:50:37 am) [pid: 11924]
   The sum of 5 and 10 is 15.
   ```

2. Declare two variables of type double, and assign values to them. Multiply the two variables together and print the result.

   https://codeshare.io/OdE6rx

   ```
   Problems  @ Javadoc  Declaration  Console ×
   <terminated> Multiply [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe  (01-Mar-2023, 5:52:40 am – 5:52:41 am) [pid: 13612]
   The product of 2.5 and 3.7 is 9.25.
   ```

3. Declare two variables of type boolean, and assign values to them. Print out the value of the logical AND operator applied to the two variables.
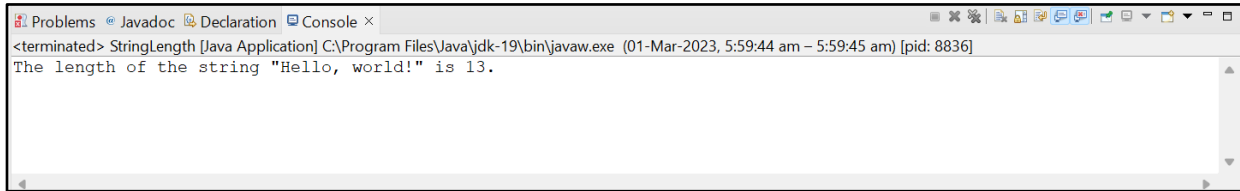
   https://codeshare.io/K8EXkK

   ```
   Problems  @ Javadoc  Declaration  Console ×
   <terminated> LogicalAND [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe  (01-Mar-2023, 5:56:54 am – 5:56:55 am) [pid: 17372]
   The logical AND of true and false is false.
   ```

4. Declare a variable of type String, and assign it a value. Use the String class method length() to print out the length of the string.
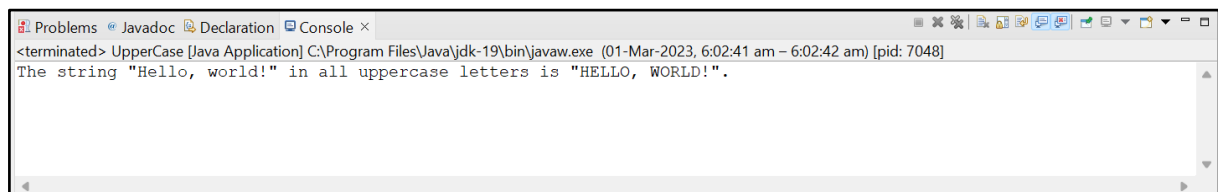
https://codeshare.io/nzoOb1

```
Problems  @ Javadoc  Declaration  Console ×
<terminated> StringLength [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe  (01-Mar-2023, 5:59:44 am – 5:59:45 am) [pid: 8836]
The length of the string "Hello, world!" is 13.
```

5. Declare a variable of type String, and assign it a value. Use the String class method toUpperCase() to print out the string in all uppercase letters.
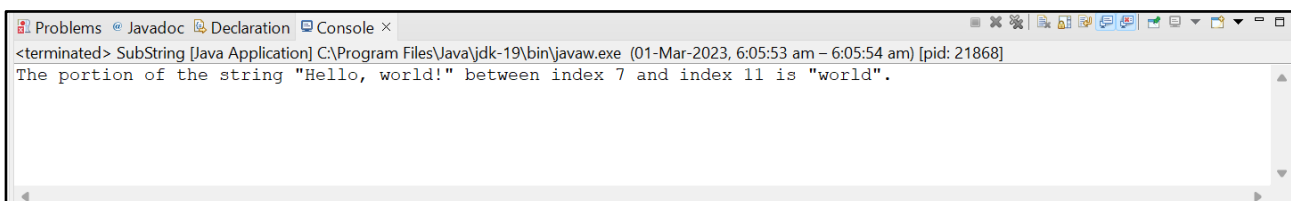
https://codeshare.io/r9lw3q

```
Problems  @ Javadoc  Declaration  Console ×
<terminated> UpperCase [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe  (01-Mar-2023, 6:02:41 am – 6:02:42 am) [pid: 7048]
The string "Hello, world!" in all uppercase letters is "HELLO, WORLD!".
```

6. Declare a variable of type String, and assign it a value. Use the String class method substring() to print out a portion of the string.
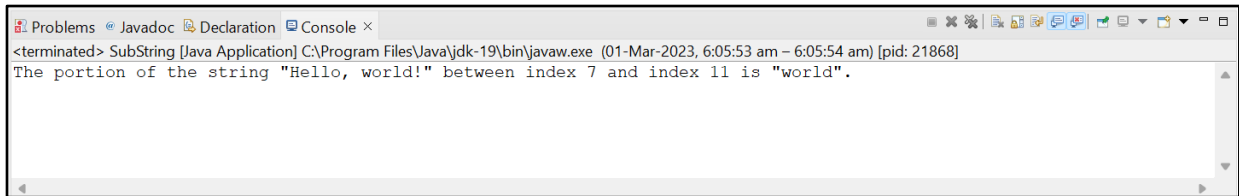
https://codeshare.io/gL9vQD

```
Problems  @ Javadoc  Declaration  Console ×
<terminated> SubString [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe  (01-Mar-2023, 6:05:53 am – 6:05:54 am) [pid: 21868]
The portion of the string "Hello, world!" between index 7 and index 11 is "world".
```

7. Declare a variable of type String, and assign it a value. Use the String class method indexOf() to find the index of a specific character in the string.

https://codeshare.io/xv4nyM

```
Problems  @ Javadoc  Declaration  Console  ×
<terminated> SubString [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe  (01-Mar-2023, 6:05:53 am – 6:05:54 am) [pid: 21868]
The portion of the string "Hello, world!" between index 7 and index 11 is "world".
```
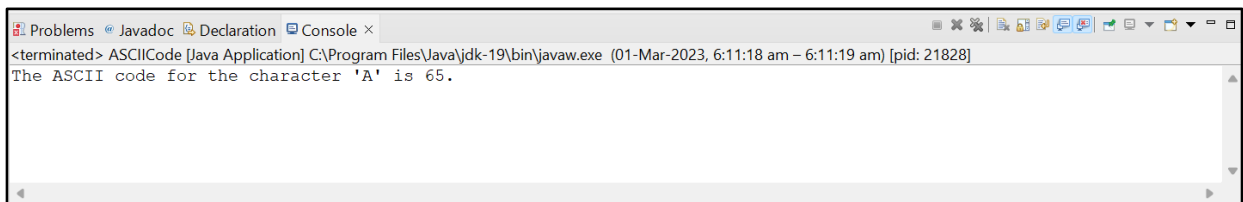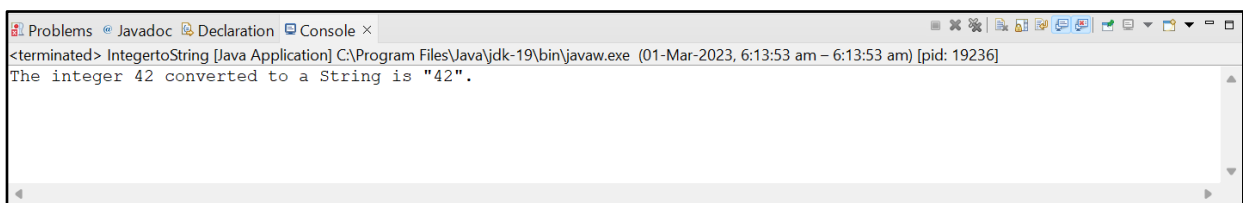
8. Declare a variable of type char, and assign it a value. Convert the character to its ASCII code and print out the result.
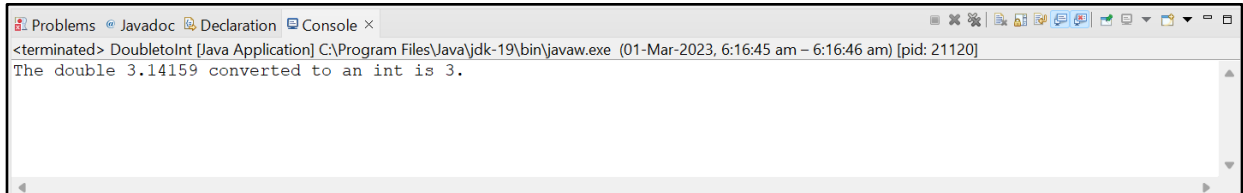
https://codeshare.io/9OLxM0

```
Problems  @ Javadoc  Declaration  Console  ×
<terminated> ASCIICode [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe  (01-Mar-2023, 6:11:18 am – 6:11:19 am) [pid: 21828]
The ASCII code for the character 'A' is 65.
```

9. Declare a variable of type int, and assign it a value. Convert the integer to a String and print out the result.

https://codeshare.io/dwQWXz

```
Problems  @ Javadoc  Declaration  Console  ×
<terminated> IntegertoString [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe  (01-Mar-2023, 6:13:53 am – 6:13:53 am) [pid: 19236]
The integer 42 converted to a String is "42".
```

10. Declare a variable of type double, and assign it a value. Convert the double to an int and print out the result.

https://codeshare.io/9OLxoX

Problems @ Javadoc Declaration Console ×
<terminated> DoubletoInt [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (01-Mar-2023, 6:16:45 am – 6:16:46 am) [pid: 21120]
The double 3.14159 converted to an int is 3.