Assignment-03

1. Declare two variables of type int and assign values to them. Add the two variables together and print the result.

Code https://codeshare.io/bvORB7

```java
1 package assignment3;
2
3 public class add {
4     public static void main(String[] args) {
5         // Declare two variables of type int and assign values to them
6         int a = 10;
7         int b = 20;
8
9         // Add the two variables together
10         int sum = a + b;
11
12         // Print the result
13         System.out.println("The sum of " + a + " and " + b + " is " + sum);
14     }
15 }
16
```

Problems @ Javadoc Declaration Console ×

<terminated> add [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (28-Feb-2023, 8:35:22 pm – 8:35:28 pm) [pid: 185

```
The sum of 10 and 20 is 30
```

Writable   Smart Insert   16 : 1 : 409

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

Code https://codeshare.io/VZE4DR

```java
1 package assignment3;
2
3 public class mul {
4     public static void main(String[] args) {
5         // Declare two variables of type double and assign values to them
6         double a = 2.5;
7         double b = 3.0;
8
9         // Multiply the two variables together
10         double product = a * b;
11
12         // Print the result
13         System.out.println("The product of " + a + " and " + b + " is " + product)
14     }
15 }
16
```

Problems @ Javadoc Declaration Console ×
<terminated> mul [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (28-Feb-2023, 8:40:07 pm – 8:40:11 pm) [pid: 932
The product of 2.5 and 3.0 is 7.5

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.

Code https://codeshare.io/YLE4jN

```java
1 package assignment3;
2
3 public class and {
4     public static void main(String[] args) {
5         // Declare two variables of type boolean and assign values to them
6         boolean a = true;
7         boolean b = false;
8
9         // Apply the logical AND operator to the two variables
10        boolean result = a && b;
11
12        // Print the result
13        System.out.println("The result of the logical AND operator applied to " + .
14    }
15 }
16
```

Problems @ Javadoc ● Declaration ● Console ✕

<terminated> and [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (28-Feb-2023, 8:52:37 pm – 8:52:40 pm) [pid: 175

The result of the logical AND operator applied to true and false is false

| Writable | Smart Insert | 16 : 1 : 497 |

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.

Code https://codeshare.io/9OLDo8

```
1 package assignment3;
2
3 public class strlen {
4⊖    public static void main(String[] args) {
5          // Declare a variable of type String and assign it a value
6          String myString = "Hello, world!";
7
8          // Use the length() method of the String class to print out the length of
9          System.out.println("The length of myString is: " + myString.length());
10     }
11 }
12 |
```

Problems @ Javadoc Declaration Console ×

<terminated> strlen [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (28-Feb-2023, 9:37:18 pm – 9:37:20 pm) [pid: 64

```
The length of myString is: 13
```

◄

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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.

Code https://codeshare.io/DZEzWp

```java
1 package assignment3;
2 public class strupper {
3     public static void main(String[] args) {
4         // Declare a variable of type String and assign it a value
5         String myString = "hello, world!";
6
7         // Use the toUpperCase() method of the String class to print out the strin
8         System.out.println("Uppercase string: " + myString.toUpperCase());
9     }
10 }
11
```

Problems @ Javadoc Declaration Console ×
<terminated> strupper [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (28-Feb-2023, 9:41:56 pm – 9:41:59 pm) [pid:
Uppercase string: HELLO, WORLD!

Writable   Smart Insert   11 : 1 : 411

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.

Code https://codeshare.io/nzoY63

```java
1 package assignment3;
2
3 public class substr {
4     public static void main(String[] args) {
5         // Declare a variable of type String and assign it a value
6         String sentence = "The quick brown fox jumps over the lazy dog.";
7
8         // Use the substring() method to print out a portion of the string
9         String portion = sentence.substring(16, 19);
10         System.out.println(portion); // Output: fox
11     }
12 }
13
```

Problems @ Javadoc Declaration Console ×

<terminated> substr [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (28-Feb-2023, 9:54:34 pm – 9:54:37 pm) [pid: 1

fox

Writable   Smart Insert   13 : 1 : 439

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.

Code https://codeshare.io/Ad1JXl

```java
1 package assignment3;
2
3 public class index {
4     public static void main(String[] args) {
5         // Declare a variable of type String and assign it a value
6         String sentence = "The quick brown fox jumps over the lazy dog.";
7
8         // Use the indexOf() method to find the index of a specific character in t
9         int index = sentence.indexOf('q');
10        System.out.println(index); // Output: 4
11     }
12 }
13
```
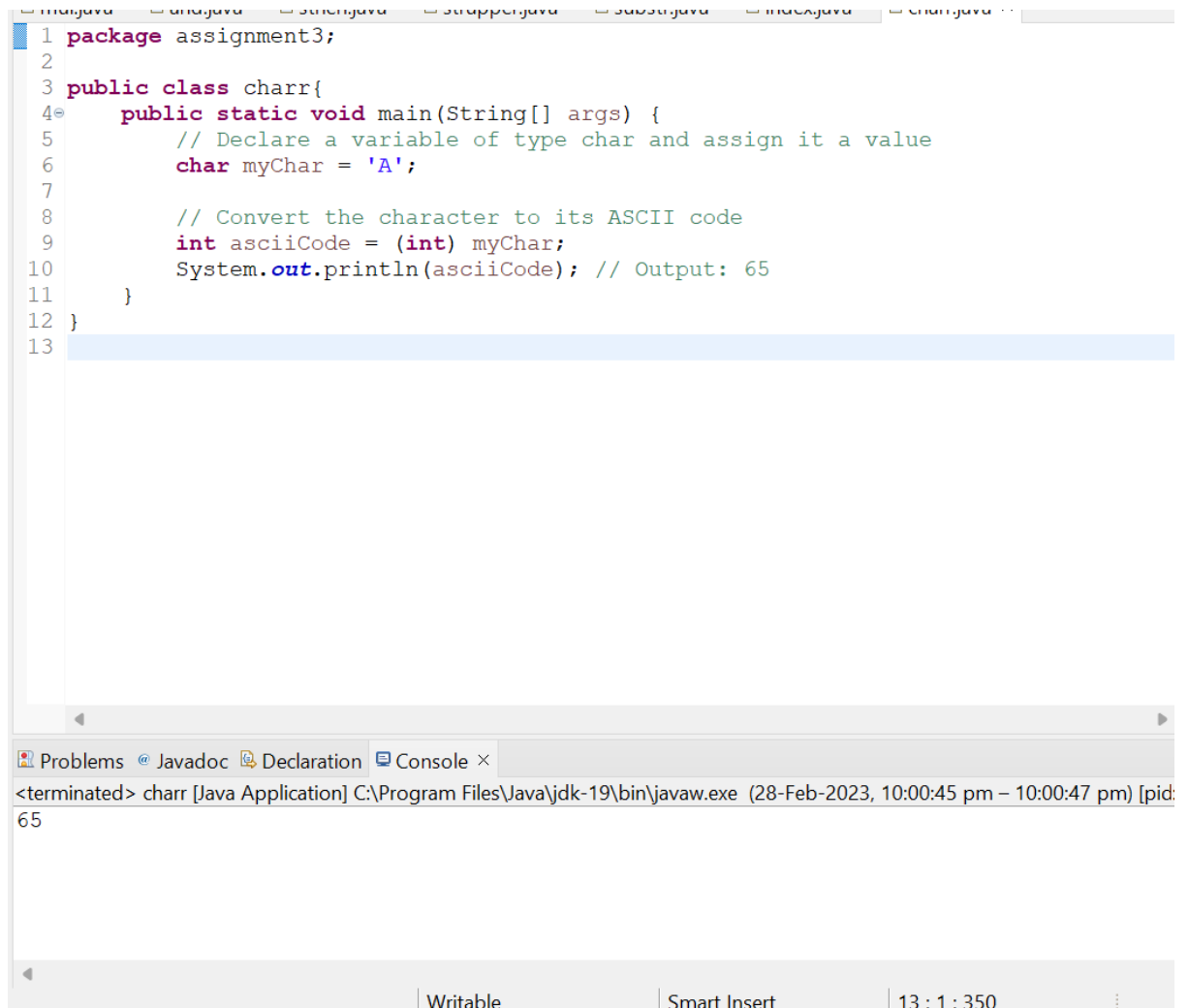
Problems @ Javadoc Declaration Console ×

<terminated> index [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (28-Feb-2023, 9:57:43 pm – 9:57:46 pm) [pid: 13

4

Writable   Smart Insert   13 : 1 : 441

8. Declare a variable of type char, and assign it a value. Convert the character to its ASCII code and print out the result.

Code https://codeshare.io/JbMJrr

```java
1 package assignment3;
2
3 public class charr{
4     public static void main(String[] args) {
5         // Declare a variable of type char and assign it a value
6         char myChar = 'A';
7
8         // Convert the character to its ASCII code
9         int asciiCode = (int) myChar;
10        System.out.println(asciiCode); // Output: 65
11    }
12 }
13
```

Problems @ Javadoc Declaration Console ×

<terminated> charr [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (28-Feb-2023, 10:00:45 pm – 10:00:47 pm) [pid:
65

Writable   Smart Insert   13 : 1 : 350

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

Code https://codeshare.io/Ad1WZl

```java
 1 package assignment3;
 2
 3 public class charr{
 4     public static void main(String[] args) {
 5         // Declare a variable of type char and assign it a value
 6         char myChar = 'A';
 7
 8         // Convert the character to its ASCII code
 9         int asciiCode = (int) myChar;
10         System.out.println(asciiCode); // Output: 65
11     }
12 }
13
```

Problems @ Javadoc Declaration Console ×

<terminated> charr [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (28-Feb-2023, 10:00:45 pm – 10:00:47 pm) [pid
65

Writable   Smart Insert   13 : 1 : 350

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

Code https://codeshare.io/6pkopo

```java
1 package assignment3;
2
3 public class dtostr {
4⊖     public static void main(String[] args) {
5          double myDouble = 3.14159;
6          int myInt = (int) myDouble; // casting double to int
7          System.out.println("Double value: " + myDouble);
8          System.out.println("Integer value: " + myInt);
9      }
10 }
11 |
```

Problems @ Javadoc ⚑ Declaration 🖳 Console ×
<terminated> dtostr [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (28-Feb-2023, 10:08:31 pm – 10:08:33 pm) [pi
```
Double value: 3.14159
Integer value: 3
```

| Writable | Smart Insert | 11 : 1 : 315 |