

Assignment 3

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

Code Link: <https://codeshare.io/OdE03A>

```
<terminated> intvariables [Java Application] C:\Users\saniybi\p2\pool\
Addition of 2 and 90 is 92
```

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

Code Link: <https://codeshare.io/eV6N9x>

```
<terminated> doublevariables [Java Application] C:\Users\saniybi\p2\pool\plu
Multiplication of 10.5 and 20.0 is 210.0
```

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 Link: <https://codeshare.io/K8E0rX>

```
<terminated> bool [Java Application] C:\Users\saniybi\p2\pool\plugins\org.ecl
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.

Code Link: <https://codeshare.io/OdE03v>

```
Problems @ Javadoc Declaration Console × Coverage
<terminated> length [Java Application] C:\Users\saniybi\p2\pool\l
length of String Saniya is 6
length of String MYSORE is 6
```

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 Link: <https://codeshare.io/nzo7nv>

```
<terminated> uppercase [Java Application] C:\Users\saniyb\p2\pool\plu  
CONVERTED TO LOWERCASE saniya TO SANIYA
```

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 Link: <https://codeshare.io/r9ljvZ>

```
<terminated> substring [Java Application] C:\Users\saniyb\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64  
substring of String iiHii How Are You Mysurians is Hii How Are You Mysurians  
substring of String iiHii How Are You Mysurians is Hii
```

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 Link: <https://codeshare.io/1Y8MYq>

```
Problems Javadoc Declaration Console Coverage  
<terminated> indexof [Java Application] C:\Users\saniyb\p2\pool\plugins\or  
substring of String Hii How Are You!! is 8
```

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 Link: <https://codeshare.io/qPmqPx>

```
<terminated> ascii [Java Application] C:\Users\san  
The ASCII value of a is: 97
```

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

Code Link: <https://codeshare.io/RbvqbQ>

```
Problems Javadoc Declaration Console  
<terminated> inttostring [Java Application] C:\User  
100 is converted to 100
```

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

Code Link: <https://codeshare.io/9OLNO8>

```
<terminated> doubletoint [Java Application] C:\U  
100.0 is converted to 100
```

Assignment 4

1. Create an array of integers and use a for loop to print out each element of the array.

Code Link: <https://codeshare.io/1Y8MPz>

```
<terminated> arr [Java Application] C:\Users\sa  
3  
9  
5  
-5
```

2. Create an array of strings and use a for-each loop to print out each element of the array.

Code Link: <https://codeshare.io/PdE0B7>

```
<terminated> arrayofstring [Java Application] C:\Users\saniyb\p2\pool\p  
Aeroplane  
Balloon  
cat  
Duck  
Sea
```

3. Create an array of doubles and use a while loop to print out each element of the array.

Code Link: <https://codeshare.io/zyAx7E>

```
<terminated> arrayofdouble [Java Application] C:\Users\saniyb\p2\p  
1.0  
8.2  
6.3  
4.4
```

4. Create an array of characters and use a do-while loop to print out each element of the array.

Code Link: <https://codeshare.io/pqkjlz>

```
<terminated> chararr [Java Application] C:\Use  
a  
b  
c  
d  
e
```

5. Create an array of integers and use the Arrays class method sort() to sort the array in ascending order.

Code Link: <https://codeshare.io/X8E0IM>

```
<terminated> sort [Java Application] C:\Users\saniybi\p2\p  
[0, 1, 2, 5, 12]
```

6. Create an array of strings and use the Arrays class method binarySearch() to find the index of a specific string in the array.

Code Link: <https://codeshare.io/nzo7kE>

```
<terminated> binary [Java Application] C:\Users\saniybi\p2\p  
Index of 'cherry': 4
```

7. Create a string and use the String class method split() to split the string into an array of substrings.

Code Link: <https://codeshare.io/DZENbY>

```
<terminated> split [Java Application] C:\Users\saniybi\p2\p  
Rapunzel  
hides  
the  
crown  
and  
tells.
```

8. Create a string and use the String class method replace() to replace a specific substring in the string with a new substring.

Code Link: <https://codeshare.io/YLE0BY>

```
<terminated> replace [Java Application] C:\Users\saniybi\p2\p  
Rapunzel hides the cat and tells.
```

9. Create a string and use the String class method substring() to extract a portion of the string.

Code Link: <https://codeshare.io/zyAxvj>

```
Problems Javadoc Declaration Console × Coverage  
<terminated> substring (1) [Java Application] C:\Users\saniybi\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.  
substring of String iiHii How Are You Mysurians is Hii How Are You Mysurians  
substring of String iiHii How Are You Mysurians is Hii
```

10. Create a string and use the String class method length() to find the length of the string.

Code Link: <https://codeshare.io/K8E0BN>

terminated/length() java Application C:\Users\

length of String Saniya is 6

length of String MYSORE is 6