ASSIGNMENT-04

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

Code: https://codeshare.io/km8qkM

```
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Element 0 of the array is: 1

Element 1 of the array is: 3

Element 3 of the array is: 3

Element 4 of the array is: 5

Element 5 of the array is: 6

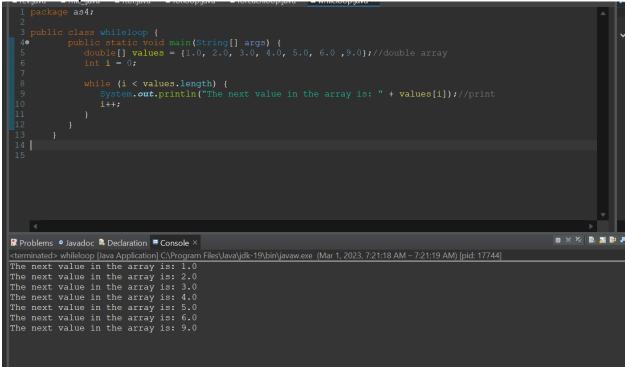
Element 5 of the array is: 6
```

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

Code: https://codeshare.io/j0dY3M

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

Code: https://codeshare.io/Ad1Wke



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

Code: https://codeshare.io/gL9vnw

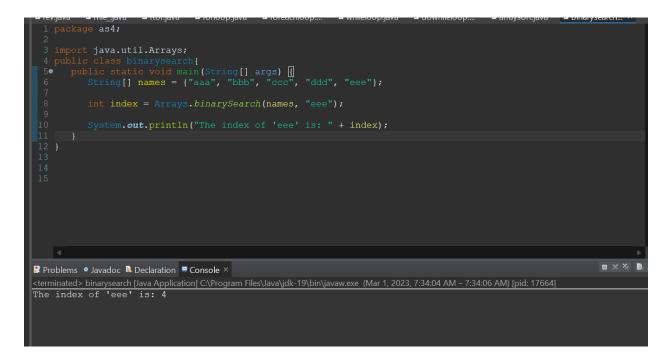
5.Create an array of integers and use the Arrays class method sort() to sort the array in ascending order.

Code: https://codeshare.io/QnE9P7

```
1 package as4;
2 import java.util.Arrays;
4 public class arraysort {
5    public static void main(String[] args) {
6     int[] numbers = {7, 2, 3, 55, 6, 5, 7};//unsorted array
7
8     Arrays.sort(numbers)://sort
9     System.out.println(Arrays.toString(numbers))://print
11    }
12 }
13
14
```

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: https://codeshare.io/nzoO6M



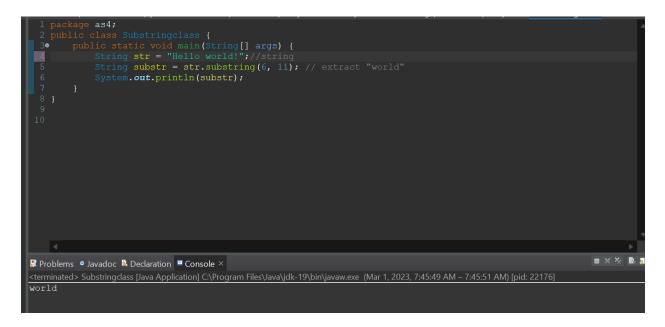
7. Create a string and use the String class method split() to split the string into an array of substrings.

Code: https://codeshare.io/0gvedD

8.Create a string and use the String class method replace() to replace a specific substring in the string with a new substring. Code: https://codeshare.io/78m34k

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

Code: https://codeshare.io/pqkj06



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

Code: https://codeshare.io/zyAxdb

```
package as4;

public class length{
    public static void main(String[] args) {
        String str = "Hello world!";//string
        int length = str.length();
        System.out.println("The length of the string is: " + length);//print length
        }
    }
}

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        * cterminated> length [Java Application] CAProgram Files\Java\jdk-19\bin\javaw.exe (Mar 1, 2023, 7:48:26 AM - 7:48:28 AM) [pid: 18456]

The length of the string is: 12
```