ASSIGNMENT 04

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

https://codeshare.io/vwjMnl

```
Console ×
<terminated> Array [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (02-Mar-2023, 5:22:09 pm – 5:22:09 pm) [pid: 23028]
17
8
7
3
10
```

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

https://codeshare.io/bvOgk7

```
Console ×
<terminated> Foreach [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (02-Mar-2023, 5:25:43 pm – 5:25:44 pm) [pid: 2348]
Apple
Banana
Orange
Grapes
Mango
```

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

https://codeshare.io/gL9VER

```
Console ×
<terminated> While [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (02-Mar-2023, 5:28:12 pm – 5:28:12 pm) [pid: 11124]
9.99
19.99
29.99
39.99
```

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

https://codeshare.io/X8Eqwk

```
Console ×
<terminated> Dowhile [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (02-Mar-2023, 5:31:10 pm – 5:31:10 pm) [pid: 11828]
a
b
c
d
```

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

https://codeshare.io/1Y8QL3

<terminated> Sort [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (02-Mar-2023, 5:33:56 pm – 5:33:57 pm) [pid: 6228]
```
Before sorting: [5, 3, 7, 1, 9, 2]
After sorting: [1, 2, 3, 5, 7, 9]
```

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

https://codeshare.io/zyAMeD

<terminated> BinarySearch [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (02-Mar-2023, 5:36:36 pm – 5:36:36 pm) [pid: 29780]
```
Index of cherry: 3
```

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

https://codeshare.io/8pl88B

<terminated> Split [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (02-Mar-2023, 5:38:47 pm – 5:38:47 pm) [pid: 5928]
```
The
quick
brown
fox
jumps
over
the
lazy
dog
```

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

https://codeshare.io/Ad1rre

<terminated> Replace [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (02-Mar-2023, 5:41:23 pm – 5:41:23 pm) [pid: 17908]
```
Original string: The quick brown fox jumps over the lazy dog
New string: The quick brown cat jumps over the lazy dog
```

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

https://codeshare.io/JbMDB6

<terminated> Substring [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (02-Mar-2023, 5:45:13 pm – 5:45:13 pm) [pid: 28760]
```
Hel
```

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

https://codeshare.io/j0dgWM

```
The length of the string "Hello, World!" is 13.
```