Assignment 4

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

https://codeshare.io/eV6N0J

```
1
2
3
4
5
```

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

https://codeshare.io/3AbM9z

```
hello
world
java
programming
```

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

https://codeshare.io/Ad1Nvl

```
10.5
20.3
33.0
55.2
75.1
```

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

https://codeshare.io/EBE16O

```
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.

https://codeshare.io/eV6NwJ

```
[1, 3, 5, 8, 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/oQ3gdY

```
The index of 'David' is: 1
```

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

https://codeshare.io/1Y8M17

```
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.

```
The quick red fox jumps over the lazy dog.
```

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

```
quick
```

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

```
The length of the string is: 44
```