

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

<https://codeshare.io/Ad1Jk8>

```
*printarraynumber.java ×
1 package assignment4;
2
3 public class printarraynumber {
4
5     public static void main(String[] args) {
6         // TODO Auto-generated method stub
7         int arr[] = {1, 23, 28, 30};
8         for(int i=0; i<arr.length; i++)
9             System.out.println(arr[i]);
10    }
11
12 }
13
```

```
Problems Javadoc Declaration Console ×
<terminated> printarraynumber [Java Application] C:\Users\Mahadra\jdk-19
1
23
28
30
```

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

<https://codeshare.io/r9lYbE>

```
printarraystrings.java ×
1 package assignment4;
2
3 public class printarraystrings {
4     public static void main(String[] args)
5     {
6         String array[] = {"arjun", "rachana", "anusha", "prasad"};
7         for (String str : array) {
8             System.out.println(str);
9         }
10    }
11 }
12
```

```
Problems Javadoc Declaration Console ×
<terminated> printarraystrings [Java Application] C:\Users\Mahadra\jdk-19\bin\javaw.exe (28-Feb-2023, 1
arjun
rachana
anusha
prasad
```

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

<https://codeshare.io/9OLxy1>

```
usingdouble.java ×
1 package assignment4;
2
3 public class usingdouble {
4
5     public static void main(String[] args) {
6         // TODO Auto-generated method stub
7         double array[] = { 8.23, 5.28, 3.30, 1.09, 2.27 };
8         int i = 0;
9         while (i < array.length) {
10             System.out.println(array[i]);
11             i++;
12         }
13     }
14 }
15
16 }
17
```

Problems Javadoc Declaration Console ×

<terminated> usingdouble [Java Application] C:\Users\Mahadra\jdk-19\bin\javaw.exe (28-Feb-2025 10:00:00 AM)

8.23
5.28
3.3
1.09
2.27

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

<https://codeshare.io/QnE9nq>

```
printcharusingdowhile.java ×
1 package assignment4;
2
3 public class printcharusingdowhile {
4     public static void main(String[] args) {
5         char array[] = {'a', 'p', 'r', 'n', 's'};
6         int i = 0;
7         do {
8             System.out.println(array[i]);
9             i++;
10        } while (i < array.length);
11    }
12 }
13 }
14
```

Problems Javadoc Declaration Console ×

<terminated> printcharusingdowhile [Java Application] C:\Users\Mahadra\jdk-19\bin\javaw.exe (28-Feb-2025 10:00:00 AM)

a
p
r
n
s

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

<https://codeshare.io/4eoneb>

```
sortingarray.java ×
1 package assignment4;
2 import java.util.Arrays;
3 public class sortingarray {
4     public static void main(String[] args) {
5         // TODO Auto-generated method stub
6         int[] array = { 5, 1, 4, 2, 3 };
7         Arrays.sort(array);
8         System.out.println(Arrays.toString(array));
9     }
10 }
11 }
12 |
```

Problems @ Javadoc Declaration Console ×

<terminated> sortingarray [Java Application] C:\Users\Mahadra\jdk-19\bin\javaw.exe (28-Feb-2023, 10:16:23 pm – 10:16:23 pm) [1, 2, 3, 4, 5]

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/BA7ldb>

```
binarysearch.java ×
1 package assignment4;
2 import java.util.Arrays;
3 public class binarysearch {
4     public static void main(String[] args) {
5         // TODO Auto-generated method stub
6         String array[] = { "mysuru", "bengaluru", "chikmagaluru", "davangere" };
7         int index = Arrays.binarySearch(array, "bengaluru");
8         System.out.println("Index=" + index);
9     }
10 }
11 }
12 }
13 |
```

Problems @ Javadoc Declaration Console ×

<terminated> binarysearch [Java Application] C:\Users\Mahadra\jdk-19\bin\javaw.exe (28-Feb-2023, 10:16:23 pm – 10:16:23 pm) [Index=1]

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

<https://codeshare.io/r9lw4K>

```
splitstring.java ×
1 package assignment4;
2 import java.util.Arrays;
3 public class splitstring {
4
5     public static void main(String[] args) {
6         // TODO Auto-generated method stub
7         String s1= "Mysuru is a beautiful city";
8         String array[]=s1.split("");
9         System.out.println(Arrays.toString(array));
10    }
11
12 }
13 |
```

```
Problems Javadoc Declaration Console ×
<terminated> splitstring [Java Application] C:\Users\Mahadra\jdk-19\bin\javaw.exe (28-Feb-2023, 10:26:02 pm - 10:26:02)
[M, y, s, u, r, u, , i, s, , a, , b, e, a, u, t, i, f, u, l, , c, i, t, y]
```

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/bvOqJV>

```
replacingstring.java ×
1 package assignment4;
2
3 public class replacingstring {
4
5     public static void main(String[] args) {
6         // TODO Auto-generated method stub
7         String s1= "My name is Rachana";
8         String s2=s1.replace("Rachana", "Prasad");
9         System.out.println("original string="+s1);
10        System.out.println("replaced string="+s2);
11    }
12
13 }
14
```

```
Problems Javadoc Declaration Console ×
<terminated> replacingstring [Java Application] C:\Users\Mahadra\jdk-19\bin\javaw.exe
original string=My name is Rachana
replaced string=My name is Prasad
```

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

<https://codeshare.io/PdEwpQ>

```
extractstring.java ×
1 package assignment4;
2
3 public class extractstring {
4
5     public static void main(String[] args) {
6         // TODO Auto-generated method stub
7         String str="Mysuru is a beautiful city";
8         String substr=str.substring(12,21);
9         System.out.println("original string="+str);
10        System.out.println("substring="+substr);
11    }
12
13 }
14
```

Problems @ Javadoc Declaration Console ×

<terminated> extractstring [Java Application] C:\Users\Mahadra\jdk-19\bin\javaw.exe
original string=Mysuru is a beautiful city
substring=beautiful

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

<https://codeshare.io/BA7IVy>

```
lengthofstring.java ×
1 package assignment4;
2
3 public class lengthofstring {
4
5     public static void main(String[] args) {
6         // TODO Auto-generated method stub
7         String s1= "rachana";
8         System.out.println(""+s1.length());
9     }
10
11 }
12
```

Problems @ Javadoc Declaration Console ×

<terminated> lengthofstring [Java Application] C:\Users\Mahadra\jdk-19\bin\javaw.exe
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