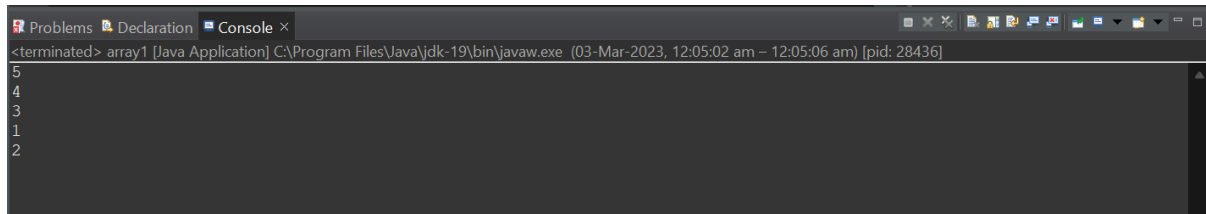


## Assignment-4

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

<https://codeshare.io/8pljBe>

### OUTPUT:

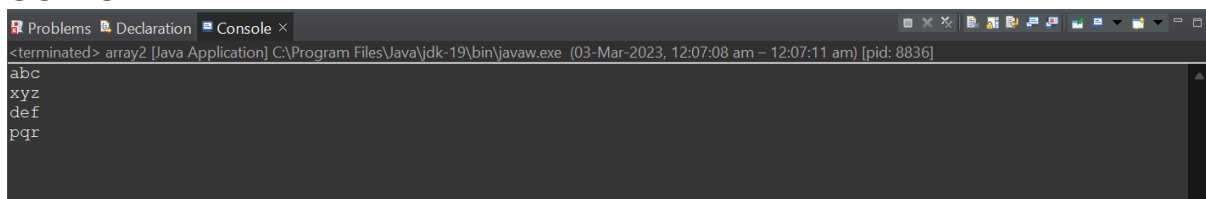


```
<terminated> array1 [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (03-Mar-2023, 12:05:02 am – 12:05:06 am) [pid: 28436]
5
4
3
1
1
2
```

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

<https://codeshare.io/LwEpep>

### OUTPUT:

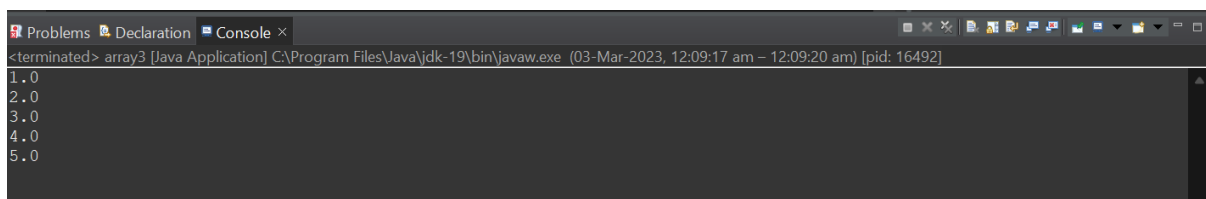


```
<terminated> array2 [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (03-Mar-2023, 12:07:08 am – 12:07:11 am) [pid: 8836]
abc
xyz
def
pqr
```

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

<https://codeshare.io/0gvoZv>

### OUTPUT:

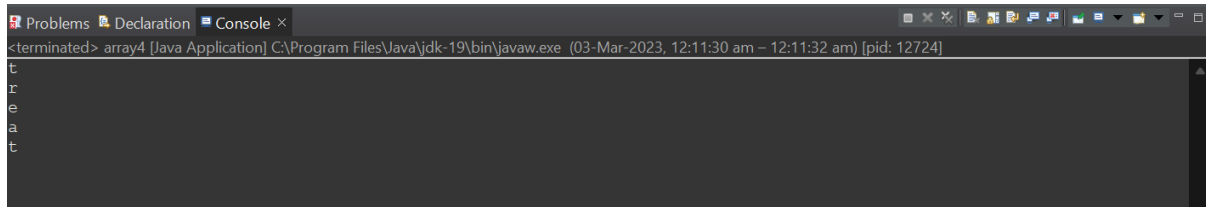


```
<terminated> array3 [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (03-Mar-2023, 12:09:17 am – 12:09:20 am) [pid: 16492]
1.0
2.0
3.0
4.0
5.0
```

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

<https://codeshare.io/xv4poD>

#### OUTPUT:

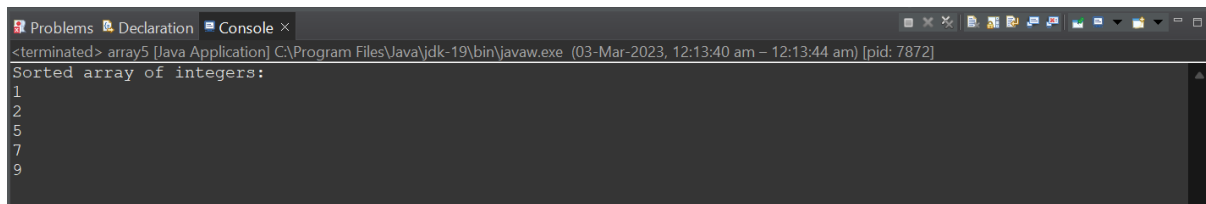


```
<terminated> array4 [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (03-Mar-2023, 12:11:30 am – 12:11:32 am) [pid: 12724]
t
r
e
a
t
```

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

<https://codeshare.io/9OL43V>

#### OUTPUT:

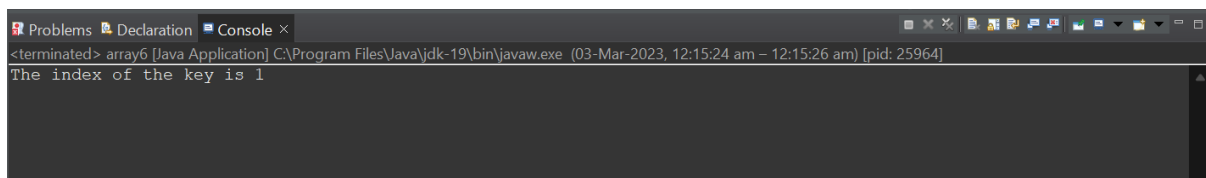


```
<terminated> array5 [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (03-Mar-2023, 12:13:40 am – 12:13:44 am) [pid: 7872]
Sorted array of integers:
1
2
5
7
9
```

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/LwEpop>

#### OUTPUT:

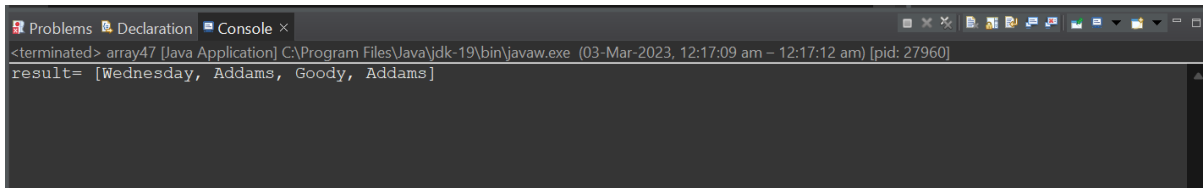


```
<terminated> array6 [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (03-Mar-2023, 12:15:24 am – 12:15:26 am) [pid: 25964]
The index of the key is 1
```

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

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

## OUTPUT:

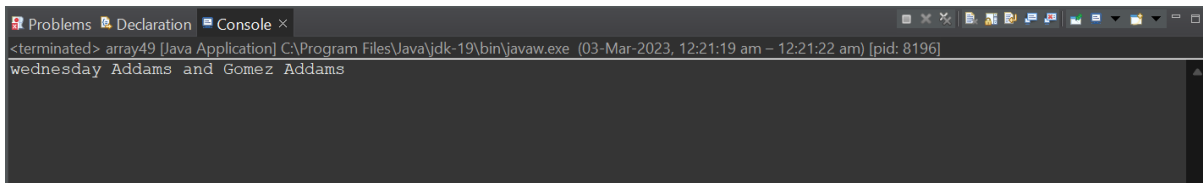


```
<terminated> array47 [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (03-Mar-2023, 12:17:09 am - 12:17:12 am) [pid: 27960]
result= [Wednesday, Addams, Goody, Addams]
```

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/JbMBYd>

## OUTPUT:

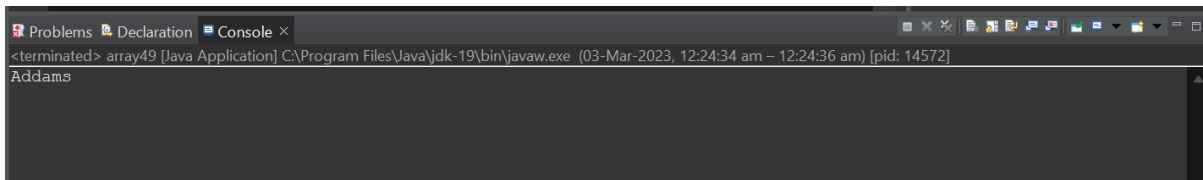


```
<terminated> array49 [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (03-Mar-2023, 12:21:19 am - 12:21:22 am) [pid: 8196]
wednesday Addams and Gomez Addams
```

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

<https://codeshare.io/dwQr9D>

## OUTPUT:

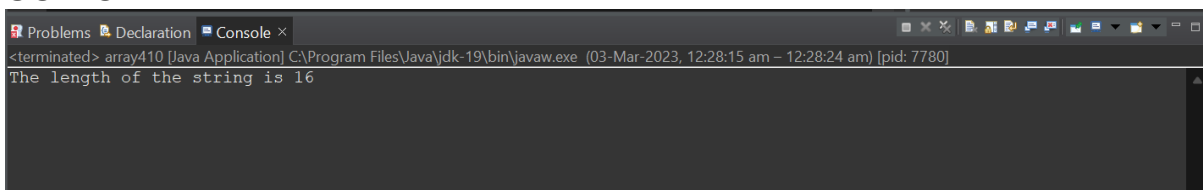


```
<terminated> array49 [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (03-Mar-2023, 12:24:34 am - 12:24:36 am) [pid: 14572]
Addams
```

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

<https://codeshare.io/eV6yer>

## OUTPUT:



```
<terminated> array410 [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (03-Mar-2023, 12:28:15 am - 12:28:24 am) [pid: 7780]
The length of the string is 16
```