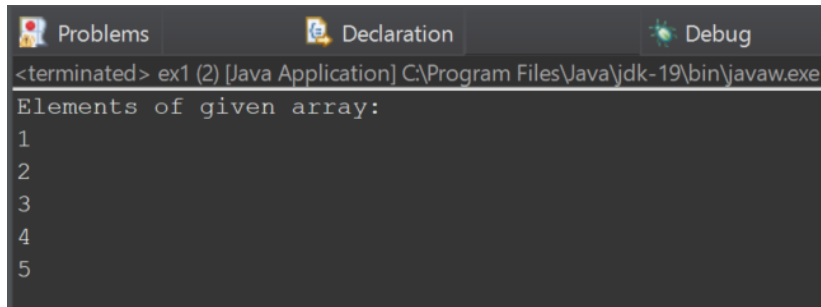


## Java Assignment-4

### Topic: Arrays and String functions

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

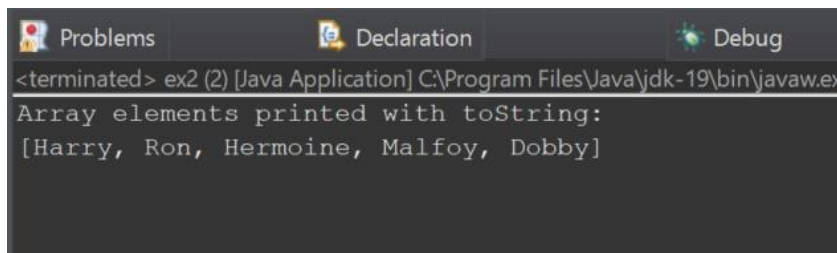
<https://codeshare.io/wnv8yJ>



```
Problems Declaration Debug
<terminated> ex1 (2) [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe
Elements of given array:
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.

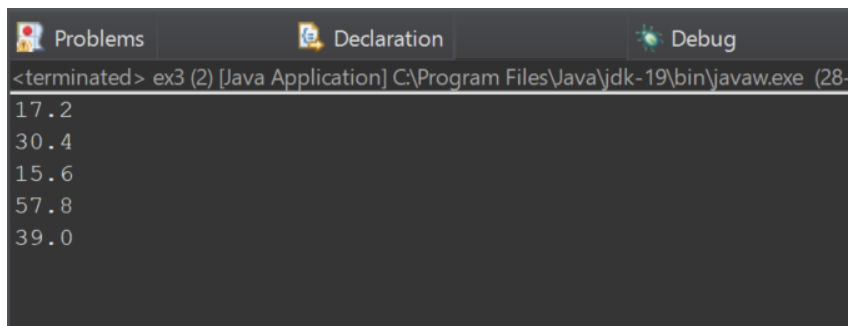
<https://codeshare.io/JbMJdq>



```
Problems Declaration Debug
<terminated> ex2 (2) [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe
Array elements printed with toString:
[Harry, Ron, Hermione, Malfoy, Dobby]
```

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

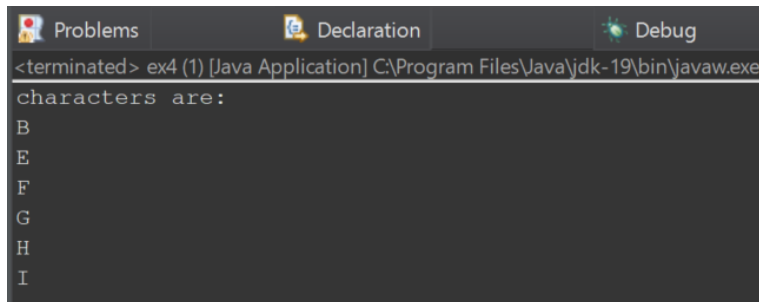
<https://codeshare.io/oQ3z4o>



```
Problems Declaration Debug
<terminated> ex3 (2) [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (28-P
17.2
30.4
15.6
57.8
39.0
```

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

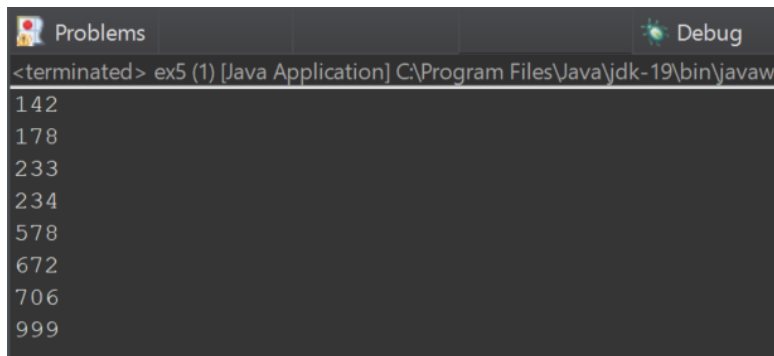
<https://codeshare.io/gL9vAN>



```
Problems Declaration Debug
<terminated> ex4 (1) [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe
characters are:
B
E
F
G
H
I
```

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

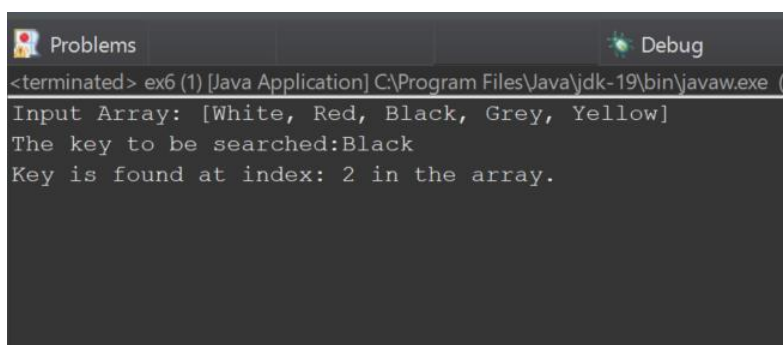
<https://codeshare.io/EBEyew>



```
Problems Declaration Debug
<terminated> ex5 (1) [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe
142
178
233
234
578
672
706
999
```

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

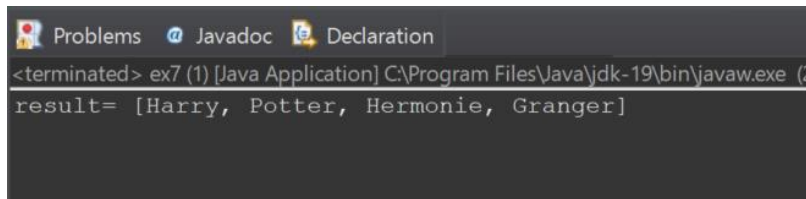
<https://codeshare.io/JbMJPq>



```
Problems Declaration Debug
<terminated> ex6 (1) [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe
Input Array: [White, Red, Black, Grey, Yellow]
The key to be searched: Black
Key is found at index: 2 in the array.
```

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

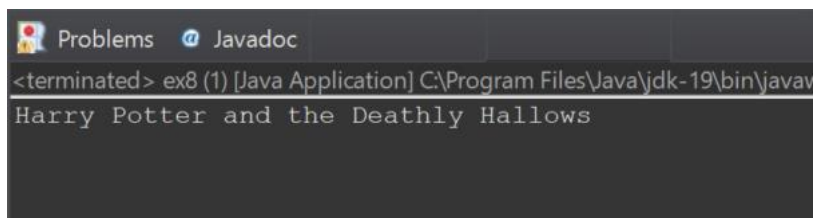
<https://codeshare.io/eV6WM7>



```
Problems Javadoc Declaration
<terminated> ex7 (1) [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (2
result= [Harry, Potter, Hermonie, Granger]
```

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

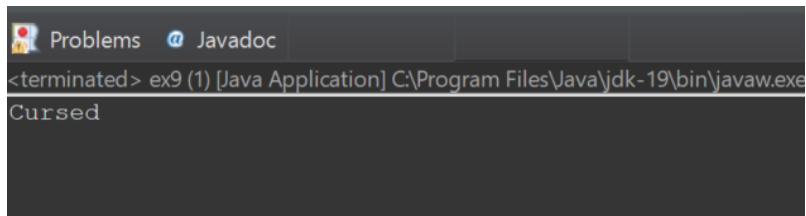
<https://codeshare.io/bvOqQw>



```
Problems Javadoc
<terminated> ex8 (1) [Java Application] C:\Program Files\Java\jdk-19\bin\javaw
Harry Potter and the Deathly Hallows
```

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

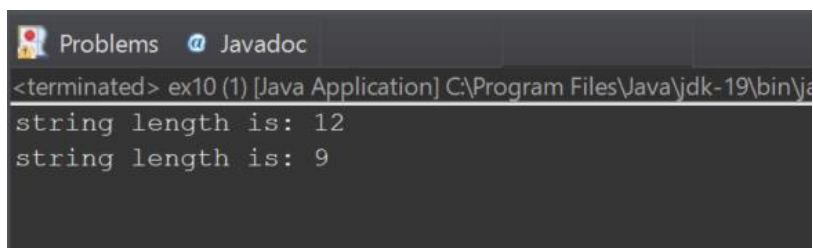
<https://codeshare.io/lonJjY>



```
Problems Javadoc
<terminated> ex9 (1) [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe
Cursed
```

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

<https://codeshare.io/j0dYLD>



```
Problems Javadoc
<terminated> ex10 (1) [Java Application] C:\Program Files\Java\jdk-19\bin\ja
string length is: 12
string length is: 9
```