

Ronish J Gowda

## Java Assignment -6

Engineering Intern

Tecnotree, Mysore

**1.Create a program that uses an ArrayList to store a list of names. The program should allow the user to add and remove names from the list, and should display the current list of names after each modification.**

<https://codeshare.io/oQ3EqB>

**OUTPUT :**

```
NamesList [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (01-Mar-2023, 10:10:18 pm) [pid: 1576]
Enter 1 to add a name, 2 to remove a name, or 3 to exit:
1
Enter a name to add:
a
Current list of names: [a]
Enter 1 to add a name, 2 to remove a name, or 3 to exit:
1
Enter a name to add:
b
Current list of names: [a, b]
Enter 1 to add a name, 2 to remove a name, or 3 to exit:
1
Enter a name to add:
c
Current list of names: [a, b, c]
Enter 1 to add a name, 2 to remove a name, or 3 to exit:
2
Enter a name to remove:
c
Current list of names: [a, b]
Enter 1 to add a name, 2 to remove a name, or 3 to exit:
```

**2.Create a program that uses a HashMap to store a dictionary of words and their meanings. The program should allow the user to add new words and meanings, and should display the meaning of a word when the user enters the word.**

<https://codeshare.io/j0dE7v>

**OUTPUT :**

```
Problems Javadoc Declaration Console x
Dictionary [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (01-Mar-2023, 10:23:29 pm) [pid: 17032]
Enter 1 to add a word and its meaning, 2 to look up a word, or 3 to exit:
1
Enter a word:
ronish
Enter its meaning:
bright
Word added successfully.
Enter 1 to add a word and its meaning, 2 to look up a word, or 3 to exit:
2
Enter a word to look up:
ronish
Meaning: bright
Enter 1 to add a word and its meaning, 2 to look up a word, or 3 to exit:
```

**3.Create a program that uses a TreeSet to store a list of integers. The program should allow the user to add and remove integers from the set, and should display the current set of integers after each modification.**

<https://codeshare.io/K8Ebnz>

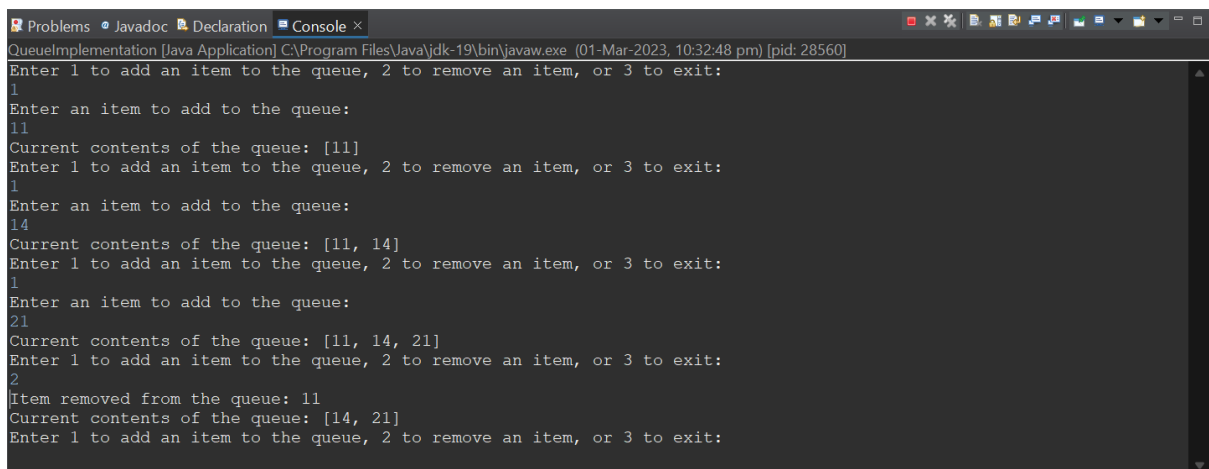
**OUTPUT :**

```
Problems Javadoc Declaration Console x
IntegerSet [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (01-Mar-2023, 10:27:54 pm) [pid: 7840]
Enter 1 to add an integer, 2 to remove an integer, or 3 to exit:
1
Enter an integer to add:
14
Current set of integers: [14]
Enter 1 to add an integer, 2 to remove an integer, or 3 to exit:
1
Enter an integer to add:
21
Current set of integers: [14, 21]
Enter 1 to add an integer, 2 to remove an integer, or 3 to exit:
1
Enter an integer to add:
15
Current set of integers: [14, 15, 21]
Enter 1 to add an integer, 2 to remove an integer, or 3 to exit:
2
Enter an integer to remove:
15
Current set of integers: [14, 21]
Enter 1 to add an integer, 2 to remove an integer, or 3 to exit:
```

**4.Create a program that uses a LinkedList to implement a queue. The program should allow the user to add and remove items from the queue, and should display the current contents of the queue after each modification.**

<https://codeshare.io/PdEl3Y>

**OUTPUT :**



```
Problems Javadoc Declaration Console ×
QueueImplementation [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (01-Mar-2023, 10:32:48 pm) [pid: 28560]
Enter 1 to add an item to the queue, 2 to remove an item, or 3 to exit:
1
Enter an item to add to the queue:
11
Current contents of the queue: [11]
Enter 1 to add an item to the queue, 2 to remove an item, or 3 to exit:
1
Enter an item to add to the queue:
14
Current contents of the queue: [11, 14]
Enter 1 to add an item to the queue, 2 to remove an item, or 3 to exit:
1
Enter an item to add to the queue:
21
Current contents of the queue: [11, 14, 21]
Enter 1 to add an item to the queue, 2 to remove an item, or 3 to exit:
2
Item removed from the queue: 11
Current contents of the queue: [14, 21]
Enter 1 to add an item to the queue, 2 to remove an item, or 3 to exit:
```

**5.Create a program that uses a HashSet to store a set of strings. The program should read in a text file, and should add each word in the file to the set of strings. After all words have been added, the program should display the number of unique words in the file.**

<https://codeshare.io/lonEOZ>

**OUTPUT :**

```
Problems Javadoc Declaration Console x
<terminated> UniqueWordsCounter [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (01-Mar-2023, 10:58:29 pm - 10:58:29 pm) [pid: 9604]
Number of unique words: 3
```