

ASSIGNMENT-6

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/3AbIWk>

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q1 (1) [Java Application] C:\Users\shettma\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.6.v20230204-1729\jre\bin\javaw.exe (02-Mar-2023, 9:
Enter a command (add/remove/quit):
add
Enter a name to add:
ice cream
Name added. Current list of names: [ice cream]
Enter a command (add/remove/quit):
add
Enter a name to add:
cke
Name added. Current list of names: [ice cream, cke]
Enter a command (add/remove/quit):
add
Enter a name to add:
juice
Name added. Current list of names: [ice cream, cke, juice]
Enter a command (add/remove/quit):
remove
Enter a name to remove:
juice
Name removed. Current list of names: [ice cream, cke]
Enter a command (add/remove/quit):
```

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/lonVLd>

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q2 (1) [Java Application] C:\Users\shettma\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.6.v
Enter a word (or type 'exit' to quit):
park
Enter the meaning of the word:
greenery ,walking time
Word 'park' with meaning 'greenery ,walking time' added to the dictionary.
Enter a word (or type 'exit' to quit):
school
Enter the meaning of the word:
place to study
Word 'school' with meaning 'place to study' added to the dictionary.
Enter a word (or type 'exit' to quit):
```

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/pqkVNV>

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q3 (1) [Java Application] C:\Users\shettma\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.6.v20230204-1729\jre\bin\javaw.exe (02-Mar-2023, 9:37)
Current set of integers: []
Enter an integer to add (or type 'exit' to quit):
3
Integer 3 added to the set.
Current set of integers: [3]
Enter an integer to add (or type 'exit' to quit):
45
Integer 45 added to the set.
Current set of integers: [3, 45]
Enter an integer to add (or type 'exit' to quit):
35
Integer 35 added to the set.
Current set of integers: [3, 35, 45]
Enter an integer to add (or type 'exit' to quit):
89
Integer 89 added to the set.
Current set of integers: [3, 35, 45, 89]
Enter an integer to add (or type 'exit' to quit):
5
Integer 5 added to the set.
Current set of integers: [3, 5, 35, 45, 89]
Enter an integer to add (or type 'exit' to quit):

```

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/vwjVDI>

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q4 (1) [Java Application] C:\Users\shettma\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.6.v20230204-1729\jre\bin\javaw.exe (02-Mar-2023, 9:37)
Current contents of the queue: []
Enter an item to add (or type 'exit' to quit):
monkey
Item monkey added to the queue.
Current contents of the queue: [monkey]
Enter an item to add (or type 'exit' to quit):
donkey
Item donkey added to the queue.
Current contents of the queue: [monkey, donkey]
Enter an item to add (or type 'exit' to quit):
elephant
Item elephant added to the queue.
Current contents of the queue: [monkey, donkey, elephant]
Enter an item to add (or type 'exit' to quit):

```

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/wnvVgB>

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#4 (1) [Java Application] C:\Users\shettma\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.6.v20230204-1729\jre\bin\javaw.exe (02-Mar-2023, 9:37)
Current contents of the queue: []
Enter an item to add (or type 'exit' to quit):
CRICKET
Item CRICKET added to the queue.
Current contents of the queue: [CRICKET]
Enter an item to add (or type 'exit' to quit):
HOCKEY
Item HOCKEY added to the queue.
Current contents of the queue: [CRICKET, HOCKEY]
Enter an item to add (or type 'exit' to quit):
FOOTBALL
Item FOOTBALL added to the queue.
Current contents of the queue: [CRICKET, HOCKEY, FOOTBALL]
Enter an item to add (or type 'exit' to quit):
EXIT
Item EXIT added to the queue.
Current contents of the queue: [CRICKET, HOCKEY, FOOTBALL, EXIT]
Enter an item to add (or type 'exit' to quit):
remove
Current contents of the queue: [CRICKET, HOCKEY, FOOTBALL, EXIT]
Enter 'remove' to remove the first item (or type 'exit' to quit):
remove
Item CRICKET removed from the queue.
Current contents of the queue: [HOCKEY, FOOTBALL, EXIT]
Enter 'remove' to remove the first item (or type 'exit' to quit):

```