# Assignment 6

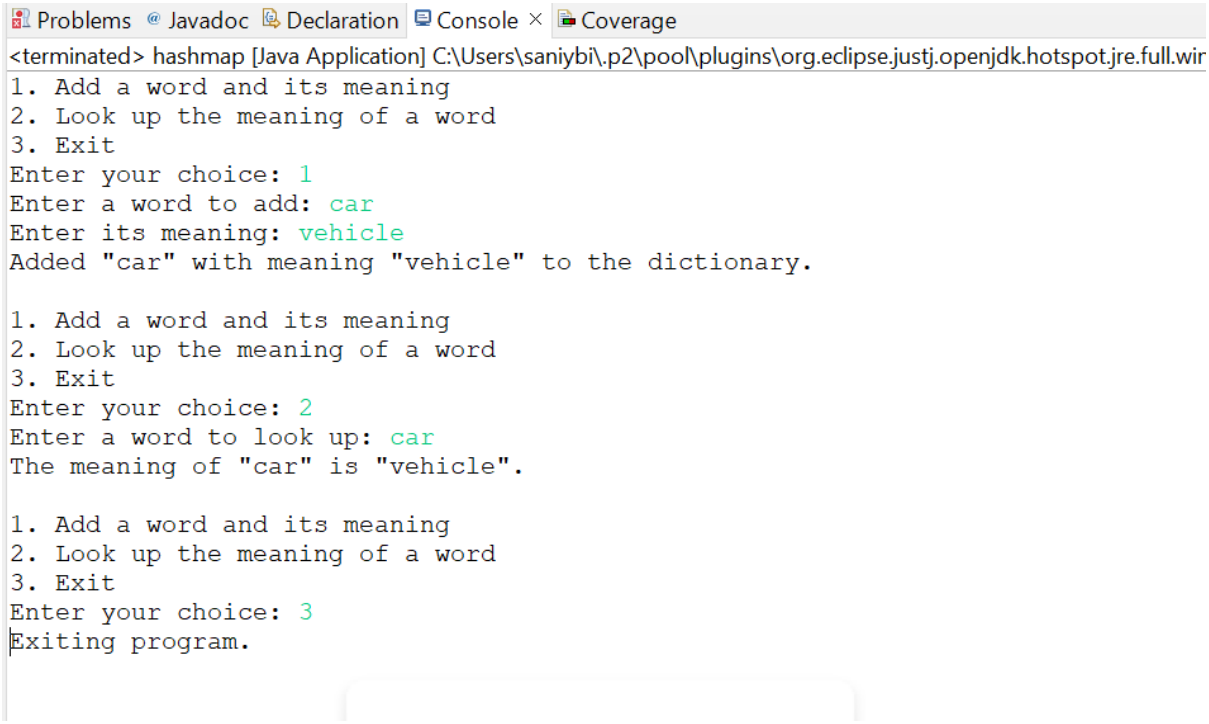
1.Create a program that uses an ArrayList to store a list of names. The program should allow the user to add and remove names from the list and should display the current list of names after each modification.

## CodeLink: https: https://codeshare.io/N3pBLV

```
<terminated> arrlist [Java Application] C:\Users\saniybi\.p2\pool\plugins\org.eclipse.justj.ope
1. Add a name
2. Remove a name
3. Display the list
4. Exit
Enter your choice: 1
Enter a name to add: AA

1. Add a name
2. Remove a name
3. Display the list
4. Exit
Enter your choice: 1
Enter a name to add: BB

1. Add a name
2. Remove a name
3. Display the list
4. Exit
Enter your choice: 3
Current list of names:
- AA
- BB

1. Add a name
2. Remove a name
3. Display the list
4. Exit
Enter your choice: 2
Enter the index of the name to remove (0-1): 0

1. Add a name
2. Remove a name
3. Display the list
4. Exit
Enter your choice: 3
Current list of names:
- BB

1. Add a name
2. Remove a name
3. Display the list
4. Exit
Enter your choice: 4
Exiting program.
```

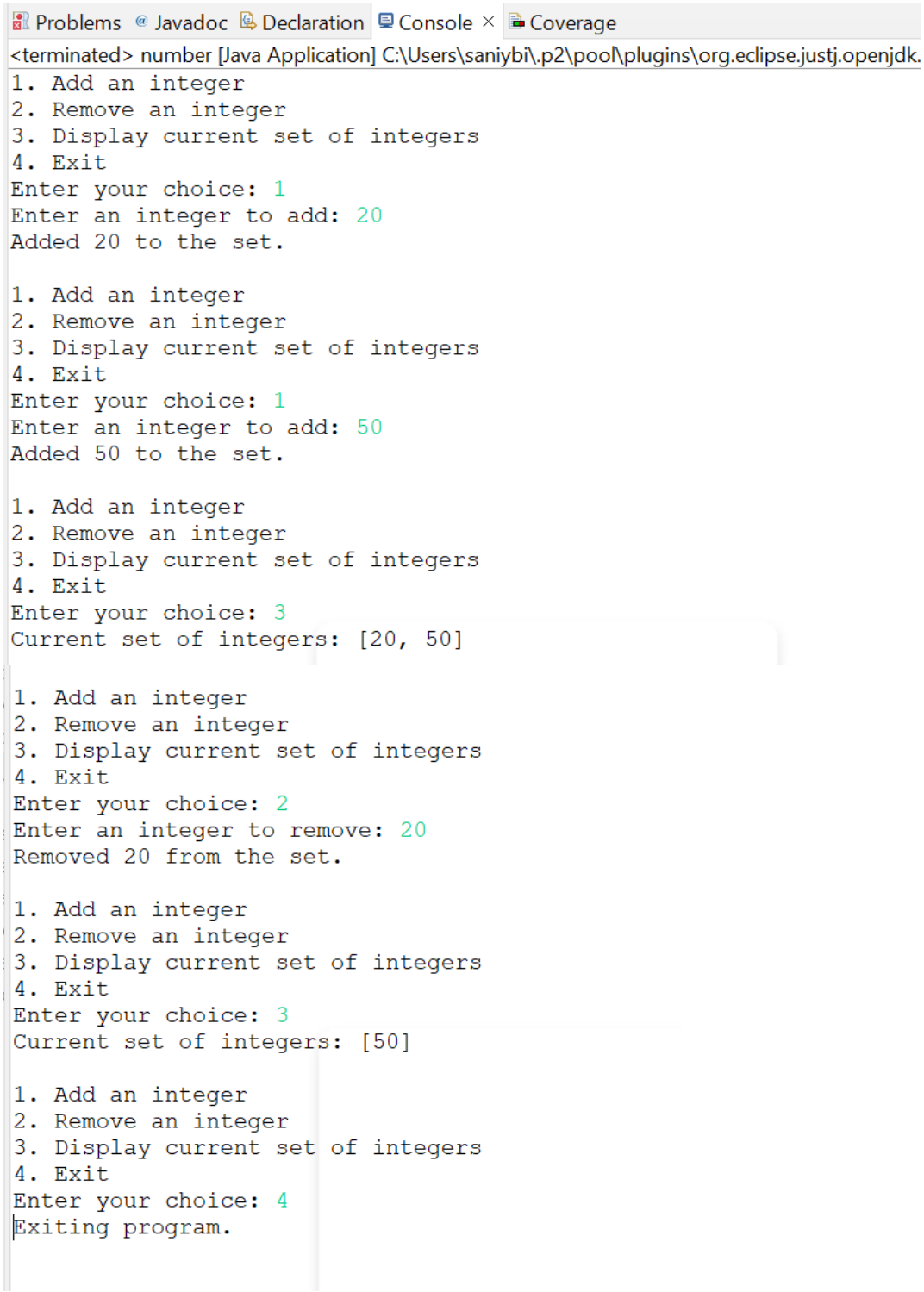
2.Create a program that uses a HashMap to store a dictionary of words and their meanings. The program should allow the user to add new words and meanings and should display the meaning of a word when the user enters the word.

**CodeLink: https://codeshare.io/mpbgzp**



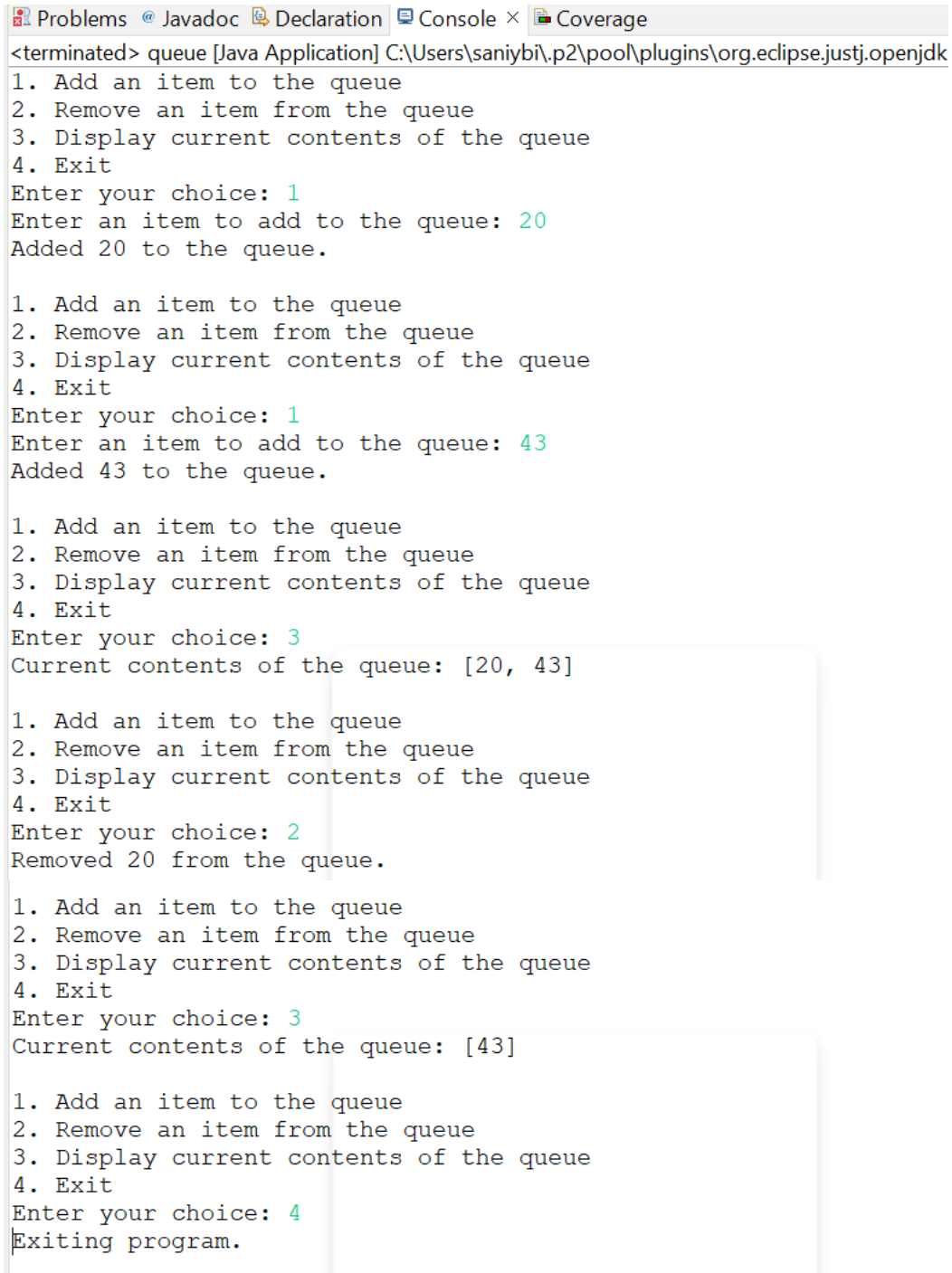

3.Create a program that uses a TreeSet to store a list of integers. The program should allow the user to add and remove integers from the set, and should display the current set of integers after each modification.

**CodeLink: https://codeshare.io/WdE9NY**




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.

## CodeLink: https://codeshare.io/r9lW9Y




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.

## CodeLink: https://codeshare.io/PdEJ8E