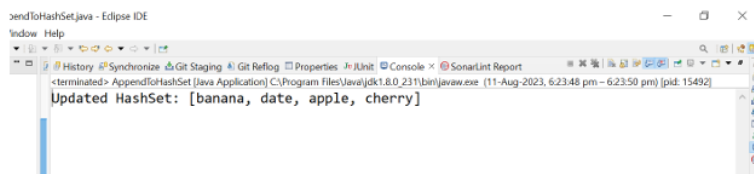


Lab(30 mins): (Attempt any 2)

1. Write a Java program to append the specified element to the end of a HashSet.

[Hint: Add elements in the Set using add() method]

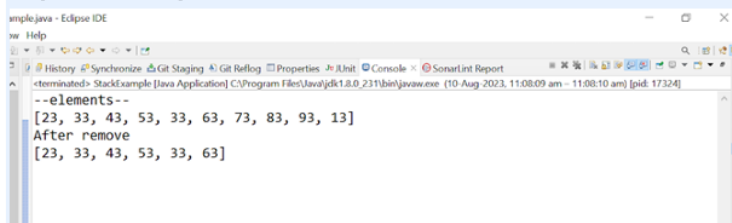
Expected Output:



```
Updated HashSet: [banana, date, apple, cherry]
```

2. Write a program to declare stack. Store 10 elements into it. Remove 4 elements from stack and display it.

Expected Output:



```
--elements--  
[23, 33, 43, 53, 33, 63, 73, 83, 93, 13]  
After remove  
[23, 33, 43, 53, 33, 63]
```

3. Write a Java program that finds and prints the union of two sets. Then check if union set is a subset of set1 or not.

[Hint: Create two Set objects name set1 and set 2 and copy both Set's elements into an another Set name unionSet. Utilize the containsAll() method to verify if the elements from set1 are present within the unionSet]

Set 1 Input:

apple
banana
cherry

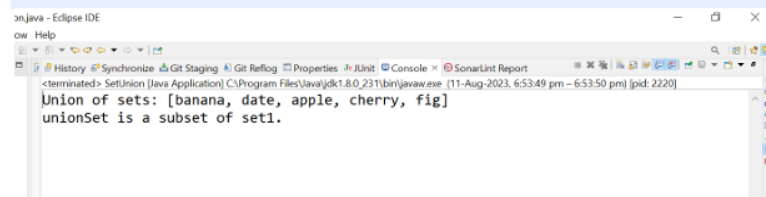
Set 2 Input:

cherry

date

fig

Expected Output:



```
Union of sets: [banana, date, apple, cherry, fig]  
unionSet is a subset of set1.
```

