CS23333-Object Oriented Programming Using Java-2023

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```
Status Finished
              Started Tuesday, 12 November 2024, 11:28 AM
         Completed Tuesday, 12 November 2024, 11:44 AM
           Duration 16 mins 27 secs
                       Given an ArrayList, the task is to get the first and last element of the ArrayList in Java.
Correct
                       Input: ArrayList = [1, 2, 3, 4]
Marked out of
                       Output: First = 1, Last = 4
1.00
Flag question
                       Input: ArrayList = [12, 23, 34, 45, 57, 67, 89]
                       Output: First = 12, Last = 89
                       Approach:
                           1. Get the ArrayList with elements.
                           2. Get the first element of ArrayList using the get(index) method by passing index = 0.
                           3. Get the last element of ArrayList using the get(index) method by passing index = size -1.
                       Answer: (penalty regime: 0 %)
                           1 - import java.util.ArrayList;
                                import java.util.Scanner;
public class Main {
   public static void main(string[] args) {
                                          Scanner scanner = new Scanner(System.in);
ArrayList<Integer> list = new ArrayList<>();
                                          int n = scanner.nextInt();
for (int i = 0; i < n; i++) {
    list.add(scanner.nextInt());</pre>
                           10
                                           if (list.size() > 0) {
    System.out.println("ArrayList: " + list);
    System.out.println("First : " + list.get(0) + ", Last : " + list.get(list.size() - 1));
                           12
                           14
                                                System.out.println("The ArrayList is empty.");
                           16
17
                                           scanner.close();
                           18
                           19
                                }
                           20
```



Question **2**Correct
Marked out of 1.00

F Flag question

The given Java program is based on the ArrayList methods and its usage. The Java program is partially filled. Your task is to fill in the incomplete statements to get the desired output.

list.set();

list.indexOf());

list.lastIndexOf())

list.size()):

list.add();

list.remove(

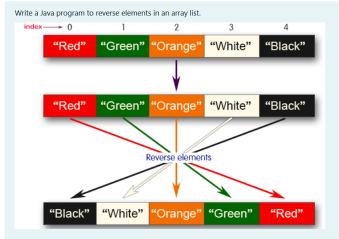
The above methods are used for the below Java program.

Answer: (penalty regime: 0 %)

```
for (int i = 0; i < n; i++) {
    list.add(sc.nextInt());</pre>
10
11
                                ,
System.out.println("ArrayList: " + list);
                              System.out.println( ArrayList: + list);
list.set(1, 100);
System.out.println("Index of 100 = " + list.indexOf(100));
System.out.println("LastIndex of 100 = " + list.lastIndexOf(100));
System.out.println(list.contains(200));
System.out.println("Size Of ArrayList = " + list.size());
System.out.println("Size Of ArrayList = " + list.size());
12
13
14
15
17
                               list.add(1, 500);
list.remove(3);
18
                               System.out.print("ArrayList: " + list);
19
20
21
22
          }
```

	Test	Input	Expected	Got	
~	1	5	ArrayList: [1, 2, 3, 100, 5]	ArrayList: [1, 2, 3, 100, 5]	~
		1	Index of 100 = 1	Index of 100 = 1	
		2	LastIndex of 100 = 3	LastIndex of 100 = 3	
		3	false	false	
		100	Size Of ArrayList = 5	Size Of ArrayList = 5	
		5	ArrayList: [1, 500, 100, 100, 5]	ArrayList: [1, 500, 100, 100, 5]	

Ouestion 3 Correct Marked out of ▼ Flag question



```
Sample input and Output:
Red
Green
Orange
White
Black
Sample output
List before reversing :
[Red, Green, Orange, White, Black]
List after reversing :
[Black, White, Orange, Green, Red]
```

Answer: (penalty regime: 0 %)

```
1 import java.util.ArrayList;
       import java.util.Collections;
import java.util.Scanner;
 | Import java.util.Scanner;
| public class ReverseArrayList {
| public static void main(string[] args) {
| Scanner sc = new Scanner(System.in);
| ArrayList<string> list = new ArrayList<>();
                      int n = sc.nextInt();
sc.nextLine();
for (int i = 0; i < n; i++) {
    list.add(sc.nextLine());
}</pre>
10
11
                      , System.out.println("List before reversing :");
13
14
                       System.out.println(list);
                     Collections.reverse(list);
System.out.println("List after reversing :");
15
16
17
18
                      System.out.println(list);
                      sc.close();
19
       }
20
```

	Test	Input	Expected	Got	
~	1	Red Green	[Red, Green, Orange, White, Black]	List after reversing :	~
1	2	Δ	list hefore reversing .	list before reversing .	~

CSE [CSE, AIML, AIDS, CYBER] [CSE, AIML, AIDS, CYBER] List after reversing:

AIML AIDS [CYBER, AIDS, AIML, CSE] [CYBER, AIDS, AIML, CSE]

Passed all tests!

Finish review

Lab-10-MCQ

Jump to...

Lab-11-MCQ