**2. List of Operations**

 Coding

Description

Your task here is to implement a **Java** code based on the following specifications. Note that your code should match the specifications in a precise manner. Consider default visibility of classes, data fields and methods unless mentioned otherwise.

**Specifications:**

class definitions:

 class ArrayListOps:

 method definitions:

  makeArrayListInt(int n): Method to create an arrayList with same number of elements as n and set elements to 0

      return type: ArrayList<Integer>

      visibilty: public

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  reverseList(ArrayList<Integer> list): Method to Reverse list

      return type: ArrayList<Integer>

      visibilty: public

changeList(ArrayList<Integer> list, int m, int n): Method to change all occurences of m to n in list

return type: ArrayList<Integer>

      visibilty: public

**Task:**

Your task is to create a class **ArrayListOps** and implement the following:

**1.** **makeArrayListInt(int n):**Method to create an A**rrayList** with number of elements as n and ***set****elements* to **0**.

* If number of elements **n** is 4 , then the method should return a list containing **[0,0,0,0]**

**2.** **reverseList(ArrayList<Integer> list):** Method to ***Reverse* list**

**3. changeList(ArrayList<Integer> list, int m, int n)**: Method to change all **occurences** of **m** to **n** in **list**

**Important:**

* To check your program, you can use the **main()** method (in Source class) given in the stub. You can make suitable function calls and use **RUN CODE** button to check your main() function output.**﻿**

**Sample Input**

ArrayList<Integer> list = new ArrayList<Integer>(Arrays.asList(10, 25, 33, 28, 10, 12));

n = 4(method makeArrayListInt)

m = 28, n = 20(method changeList)

**Sample Output**

[0, 0, 0, 0]

[12, 10, 28, 33, 25, 10]

[12, 10, 20, 33, 25, 10]

**NOTE:**

* The above **Sample Output** is only for demonstration purposes and will be obtained if you implement the **main()** method with all method calls accordingly.
* Upon implementation of **main()** method, you can use the **RUN CODE** button to pass input data in the method calls and arrive at the **Sample Output**.

Execution time limit

10 seconds