**OOPM**

**Programming Assignment number 04**

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**Problem statement:**

Print the reverse of given ArrayList by using your own function.

//code

import java.util.\*;

import java.io.\*;

class Array\_List {

static ArrayList<Integer> reverseList(ArrayList<Integer> list) {

ArrayList<Integer> revList = new ArrayList<Integer>();

for (int i=(list.size()-1) ; i>=0 ; i--) {

revList.add(list.get(i));

}

return revList;

}

public static void main(String args[]) {

Scanner sc = new Scanner(System.in);

ArrayList<Integer> list = new ArrayList<Integer>();

int choice;

while (true) {

System.out.println("\* 1. ADD");

System.out.println("\* 2. DISPLAY");

System.out.println("\* 3. DISPLAY REVERSE");

System.out.println("\* 4. EXIT!");

System.out.print("Enter your choice : ");

choice = sc.nextInt();

switch (choice) {

case 1:

System.out.print("Enter element to add : ");

list.add(sc.nextInt());

break;

case 2:

System.out.print("Elements in the list are : ");

System.out.print(list);

System.out.println();

break;

case 3:

System.out.print("Reverse of list is : ");

ArrayList<Integer> revList = new ArrayList<Integer>();

revList = reverseList(list);

System.out.print(revList);

System.out.println();

break;

case 4:

System.out.println("\*\*\* E X I T I N G \*\*\*");

System.exit(1);

break;

default:

System.out.println("Invalid Input");

break;

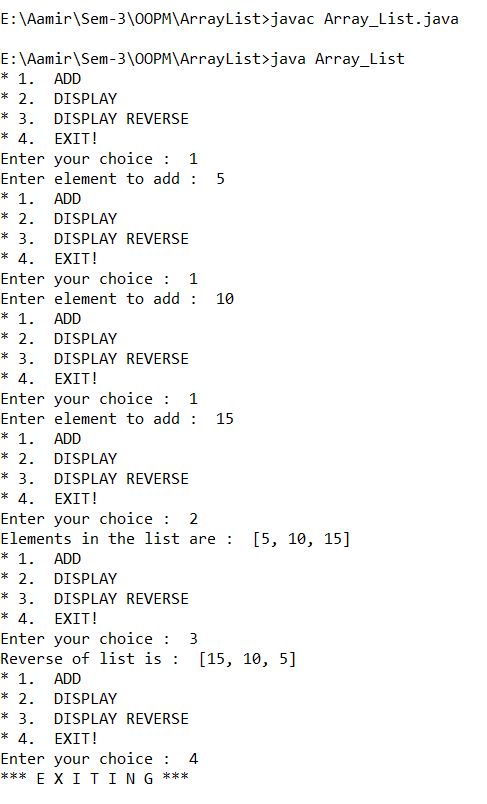
}

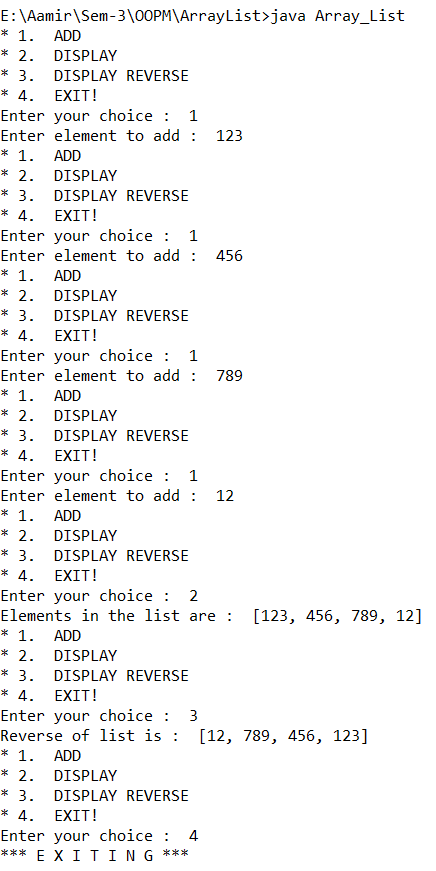
}

}

}

// output



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