CSC103 LAB-8 (ONE-DIMENTIONAL ARRAYS)

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# LAB TASK 1:

import java.util.Scanner;

public class labtask1 {

public static void main(String[] args) {

Scanner input = new Scanner(System.in);

int[] array1 = new int[10];

int[] array2 = new int[10];

int[] array3 = new int[10];

int[] array4 = new int[10];

for (int i = 0; i < 10; i++) {

System.out.print("The student" + i + "answer: ");

System.out.println("Q1 : How is the cafe: ");

int q1 = input.nextInt();

System.out.print(" Q2 : How is the chat: ");

int q2 = input.nextInt();

System.out.print("Q3 : How is the tea: ");

int q3 = input.nextInt();

System.out.print("Q4 : How is the milkshake: ");

int q4 = input.nextInt();

array1[i] = q1;

array2[i] = q2;

array3[i] = q3;

array4[i] = q4;

if (q1 < 11 || q2 < 11 || q3 < 11 || q4 < 11) {

}

for (int j = 0; j < array4.length; j++) {

System.out.println(array1[j]);

System.out.println(array2[j]);

System.out.println(array3[j]);

System.out.println(array4[j]);

}

}

}

}

# LAB TASK 2:

public class labtask2 {

public static int[] modify(int[] array) {

int[] modifiedArray = new int[array.length];

for (int i = 0; i < 10; i++) {

modifiedArray[i] = array[i] \* 3;

}

return modifiedArray;

}

public static void main(String[] args) {

int[] array = new int[10];

array[0] = 1;

array[1] = 2;

array[2] = 3;

array[3] = 4;

array[4] = 5;

array[5] = 6;

array[6] = 7;

array[7] = 8;

array[8] = 9;

array[9] = 10;

// modify(array);

// System.out.println("The modified array is " + modify(array));

int[] modifiedArray = modify(array);

System.out.print("The modified array is ");

for (int i = 0; i < modifiedArray.length; i++) {

System.out.print(modifiedArray[i] + " ");

}

}

}

# LAB TASK 3:

import java.util.Scanner;

public class Grd3 {

public static void main(String[] args) {

Scanner input = new Scanner(System.in);

System.out.println("Enter the elements of array: ");

int [] array = new int[5];

for (int i = 0; i < array.length; i++) {

array[i] = input.nextInt();

}

int [] answer = reverse(array);

for(int i = 0; i < answer.length; i++) {

System.out.println("The elements of new array are: " + answer[i]);

}

}

public static int [] reverse(int [] array) {

int a = array.length;

int [] rev = new int[a];

int j = 0;

for (int i = array.length-1; i >= 0; i--) {

rev[j] = array[i];

j++;

}

return rev;

}

}