

Lab Assignment . 4
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Date: Jan 3, 2023

CODE

Questions highlighted with yellow. Output at the end.

```
// LAB ASSIGNMENT 4

// MUJTABA SP22-BSE-036
// SIR RIZWAN RASHID
// PROGRAMMING FUNDAMENTALS
// DATE: JAN 3, 2023

// START -

import java.util.*; import java.io.*;
public class Code {

    // LAB 11
    // Q. 1
    static int awaitInt(){
        Scanner scn = new Scanner(System.in);
        String msg = "enter int: ";
        for(;;){
            System.out.println(msg);
            try { int in = scn.nextInt(); break; }
            catch(InputMismatchException e){ msg = "re-" + msg; }
        }
    }
    static void question1(){ System.out.println(awaitInt() + awaitInt());
}

    // Q . 2
    static void question2(){
        Scanner scn = new Scanner(System.in);
        int[] arr = new int[10]; int index = 0;
        String msg = "enter index: ";
        for(int i = 0; i < arr.length; i++) arr[i] = awaitInt();
        for(int i = 0; i < arr.length; i++){
            System.out.println("Enter index 0-9 to print value from
arr:");
            try { index = scn.nextInt(); break; }
            catch(InputMismatchException e){ msg = "re-" + msg; }
        }
        System.out.println(arr[index]);
    }

    // LAB 13
    // Q . 1
```

```
static void _question1(){
    for(int i = 0; i < arr.length; i++) arr[i] = awaitInt();
    try {
        FileWriter wr = new FileWriter("TEST.TXT", true);
        for(int e: arr) wr.write(e); wr.close();
    } catch (IOException e){ }
}

// Q . 2
static void _question2(){
    for(int i = 0; i < arr.length; i++) arr[i] = awaitInt();
    Arrays.sort(arr);
    try {
        FileWriter wr = new FileWriter("TEST.TXT", true);
        for(int e: arr) wr.write(e); wr.close();
    } catch (IOException e){ }
}

public static void main(String[] args){
    question1(); question2();
    _question1(); _question2();
}

// - END
```

END