



---

# DATA STRUCTURES & ALGORITHMS IN JAVA

---

Assignment 1: Mathematical Parenthesis Checker



11 KASIM 2018

DİLAY SAPMAZ  
041701032

User will be write some expression and the code will be check if these expression's parenthesis are correct or not.

The screenshot displays two instances of the Eclipse IDE. The left instance shows a Java file named `dlay_sapmaz.java` with the following code:

```

1 //...
2 * Name Surname: Dlay Sapmaz
3 * ID: 061701012
4 * Date: 05.11.2018
5 * This code executes for a parenthesis error in the math
6 */
7
8 package MathematicalParenthesisChecker;
9
10 import java.util.Scanner;
11
12 public class dlay_sapmaz {
13
14     public static void main(String[] args) {
15         // TODO Auto-generated method stub
16
17         Scanner input = new Scanner(System.in);
18         System.out.println("Enter a mathematical expression");
19         String expression=input.next();
20         parenthesisMethod(expression); //calling the method
21         input.close();
22     }
23 }

```

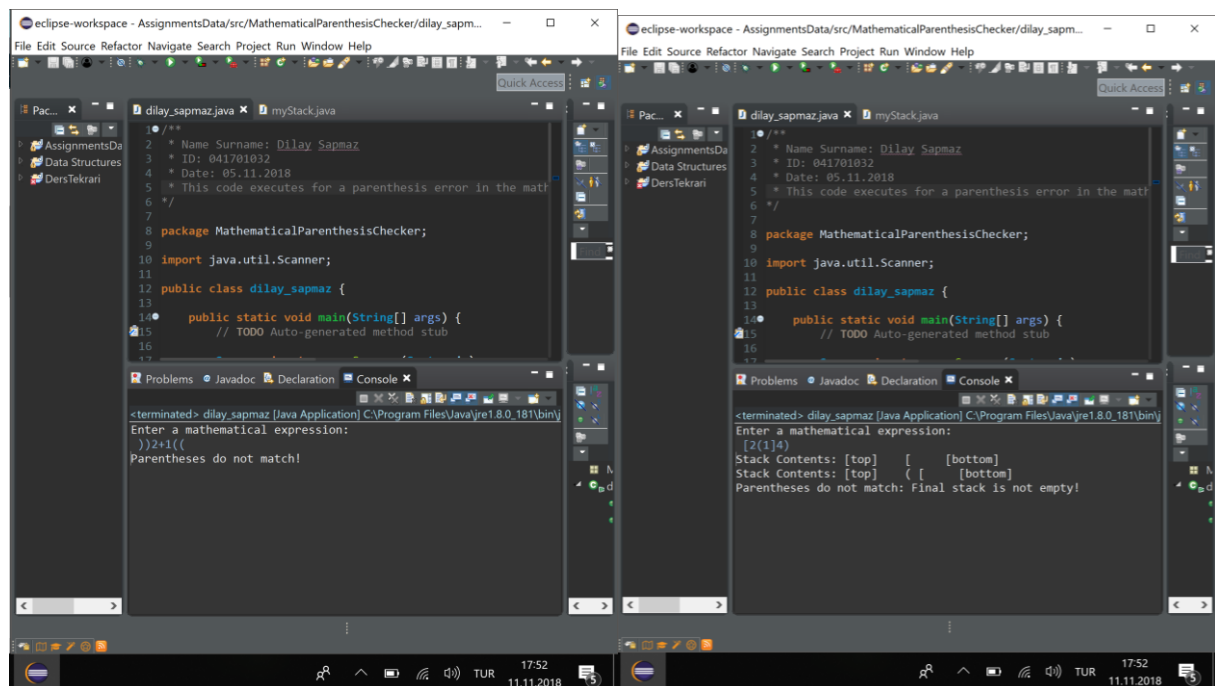
The right instance shows the same file with the `main` method implemented:

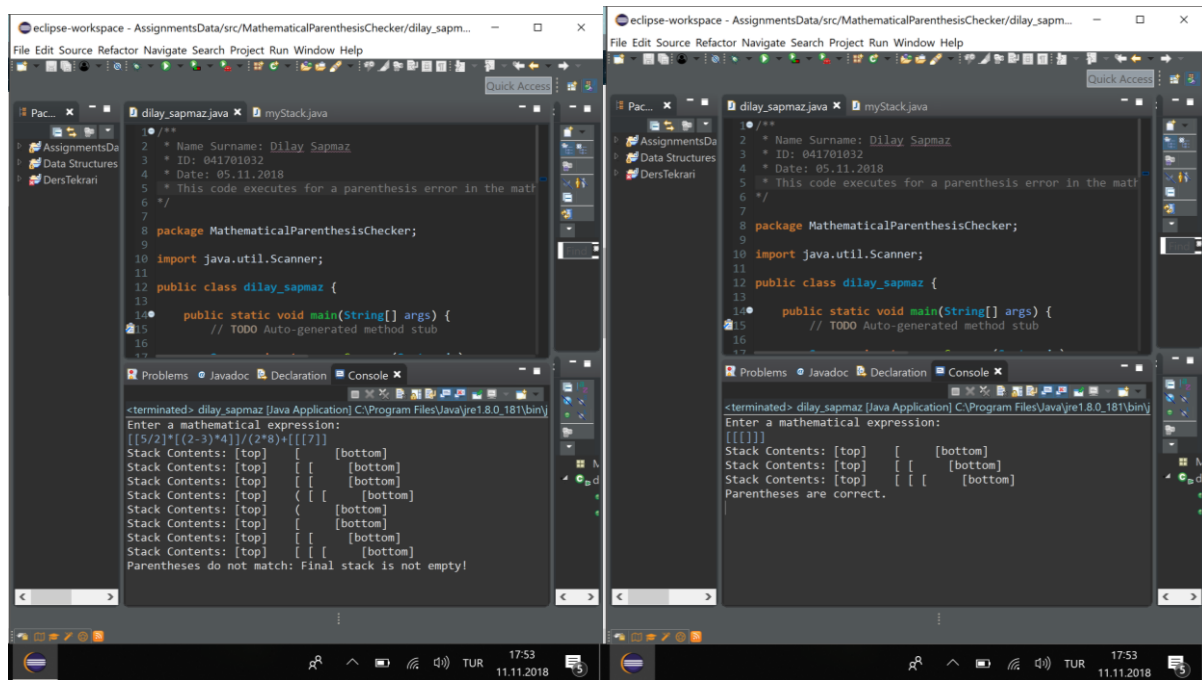
```

1 //...
2 * Name Surname: Dlay Sapmaz
3 * ID: 061701012
4 * Date: 05.11.2018
5 * This code executes for a parenthesis error in the math
6 */
7
8 package MathematicalParenthesisChecker;
9
10 import java.util.Scanner;
11
12 public class dlay_sapmaz {
13
14     public static void main(String[] args) {
15         // TODO Auto-generated method stub
16
17         Scanner input = new Scanner(System.in);
18         System.out.println("Enter a mathematical expression");
19         String expression=input.next();
20         parenthesisMethod(expression); //calling the method
21         input.close();
22     }
23 }

```

Both windows have a 'Problems' tab open, showing 'no errors or warnings'. The bottom status bar shows the date '11.11.2018' and time '17:33'.





5 example:

