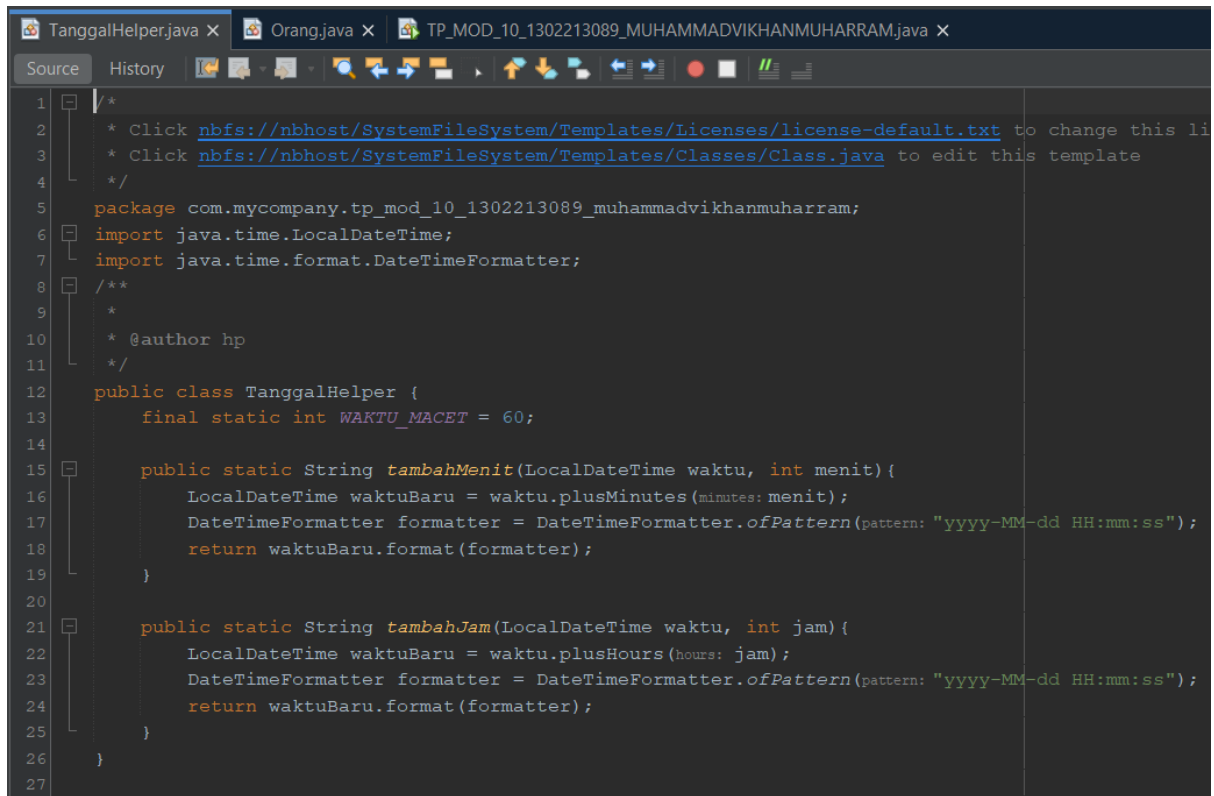


Nama : Muhammad Vikhan Muharram

NIM : 1302213089

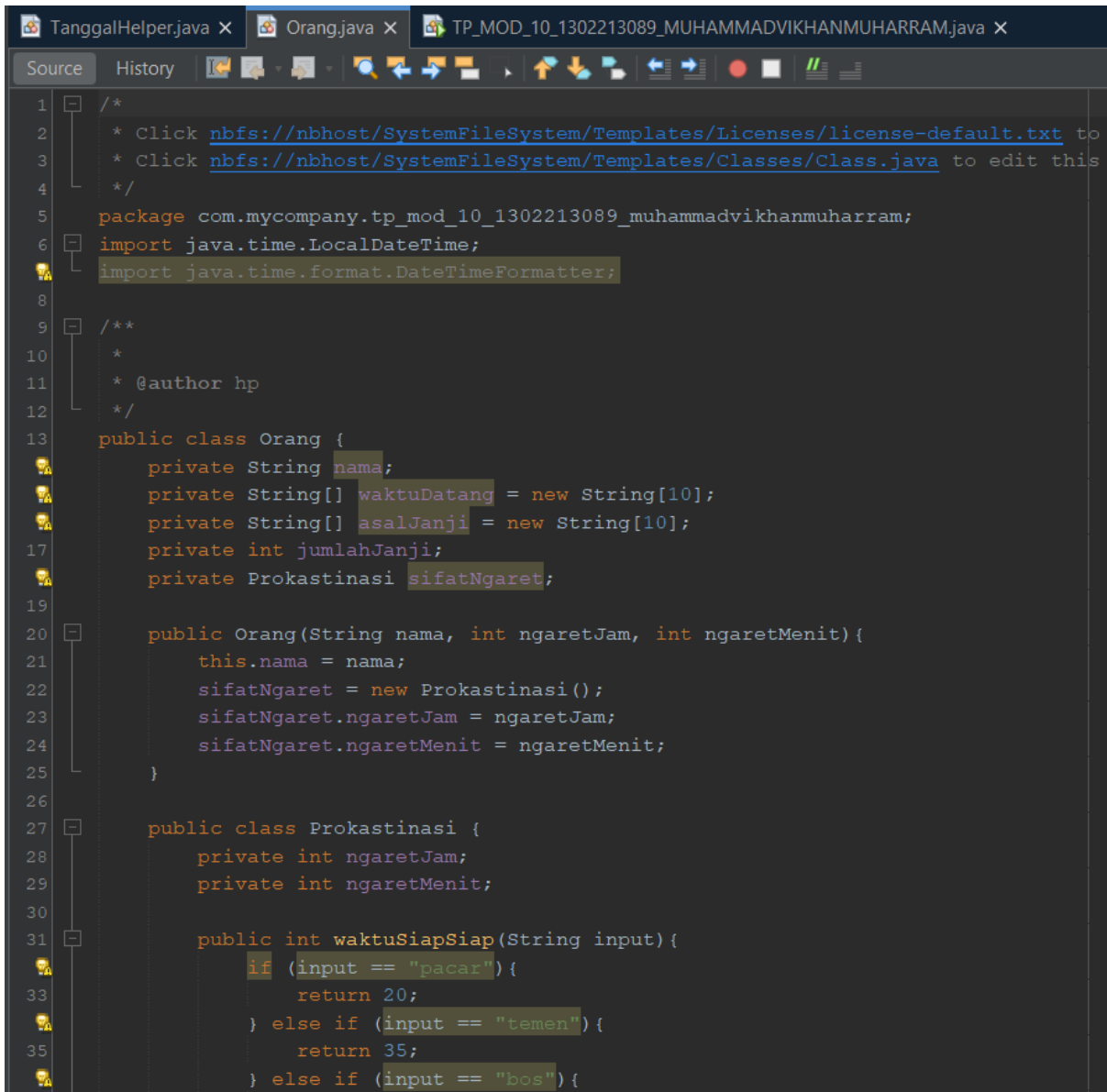
Kelas : SE-45-01

1. Class TanggalHelper



```
1  /*
2  * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this li
3  * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template
4  */
5  package com.mycompany.tp_mod_10_1302213089_muhammadvikhanmuharram;
6  import java.time.LocalDateTime;
7  import java.time.format.DateTimeFormatter;
8  /**
9   *
10  * @author hp
11  */
12  public class TanggalHelper {
13      final static int WAKTU_MACET = 60;
14
15      public static String tambahMenit(LocalDateTime waktu, int menit){
16          LocalDateTime waktuBaru = waktu.plusMinutes(minutes: menit);
17          DateTimeFormatter formatter = DateTimeFormatter.ofPattern(pattern: "yyyy-MM-dd HH:mm:ss");
18          return waktuBaru.format(formatter);
19      }
20
21      public static String tambahJam(LocalDateTime waktu, int jam){
22          LocalDateTime waktuBaru = waktu.plusHours(hours: jam);
23          DateTimeFormatter formatter = DateTimeFormatter.ofPattern(pattern: "yyyy-MM-dd HH:mm:ss");
24          return waktuBaru.format(formatter);
25      }
26  }
27
```

2. Class Orang



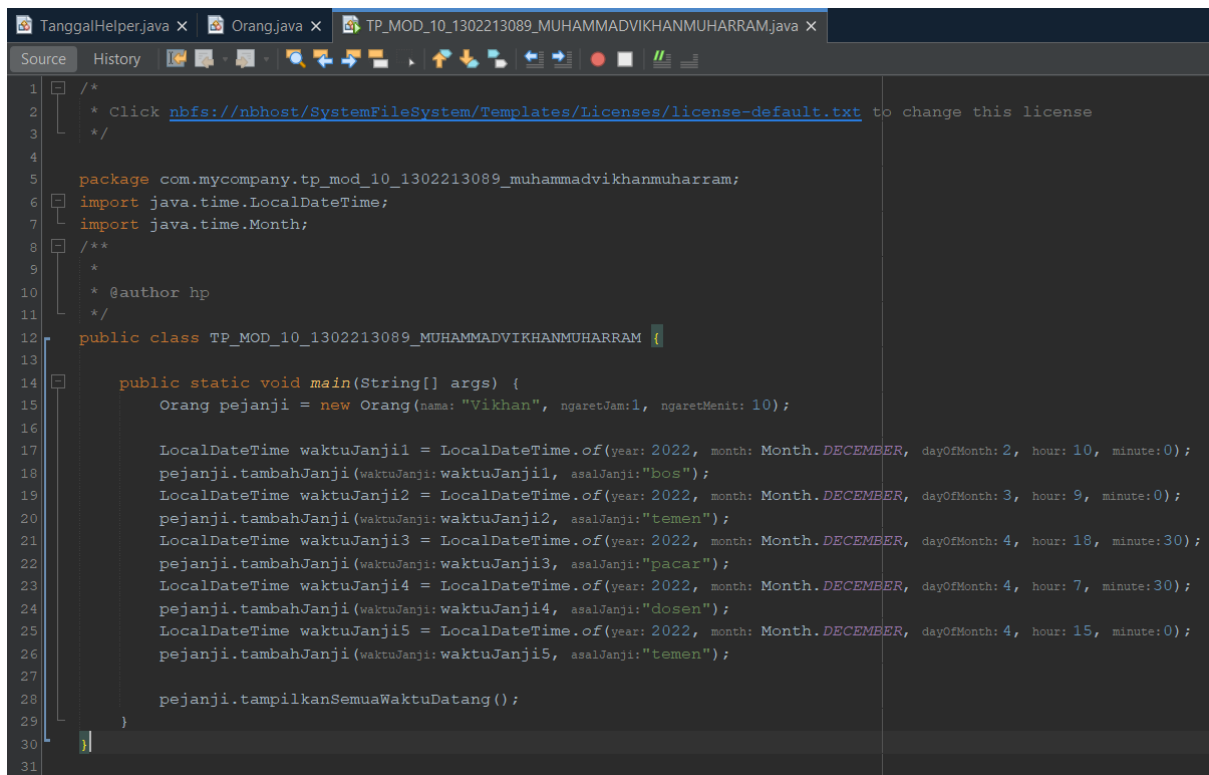
```
1  /*
2   * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to
3   * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this
4   */
5
6  package com.mycompany.tp_mod_10_1302213089_muhammadvikhanmuharrahm;
7
8  import java.time.LocalDateTime;
9  import java.time.format.DateTimeFormatter;
10
11 /**
12  *
13  * @author hp
14  */
15 public class Orang {
16     private String nama;
17     private String[] waktuDatang = new String[10];
18     private String[] asalJanji = new String[10];
19     private int jumlahJanji;
20     private Prokastinasi sifatNgaret;
21
22     public Orang(String nama, int ngaretJam, int ngaretMenit){
23         this.nama = nama;
24         sifatNgaret = new Prokastinasi();
25         sifatNgaret.ngaretJam = ngaretJam;
26         sifatNgaret.ngaretMenit = ngaretMenit;
27     }
28
29     public class Prokastinasi {
30         private int ngaretJam;
31         private int ngaretMenit;
32
33         public int waktuSiapSiap(String input){
34             if (input == "pacar"){
35                 return 20;
36             } else if (input == "temen"){
37                 return 35;
38             } else if (input == "bos"){
```

```

37         } else if (input == "bos"){
38             return 10;
39         }
40         return 45;
41     }
42
43     public int waktuKarenaLupa() {
44         if (jumlahJanji < 3){
45             return 0;
46         } else if (jumlahJanji >= 3 && jumlahJanji < 5){
47             return 15;
48         }
49         return 45;
50     }
51
52     public void tambahJanji(LocalDateTime waktuJanji, String asalJanji){
53         String waktuDatangBaru = TanggalHelper.tambahMenit(waktu: waktuJanji,
54             sifatNgaret.ngaretJam * TanggalHelper.WAKTU_MACET +
55             sifatNgaret.ngaretMenit + sifatNgaret.waktuSiapSiap(input: asalJanji)
56             + sifatNgaret.waktuKarenaLupa());
57         this.asalJanji[jumlahJanji] = asalJanji;
58         waktuDatang[jumlahJanji] = waktuDatangBaru;
59         jumlahJanji++;
60     }
61
62     public void tampilkanSemuaWaktuDatang() {
63         System.out.println("Nama pejanji: "+this.nama);
64         System.out.println("ngaretJam: "+this.sifatNgaret.ngaretJam);
65         System.out.println("ngaretMenit: "+this.sifatNgaret.ngaretMenit);
66         System.out.println(x: "Daftar Waktu Datang: ");
67         for (int i = 0; i < jumlahJanji; i++) {
68             System.out.println("Janji dengan "+asalJanji[i]+" datang pada " + waktuDatang[i]);
69         }
70     }
71 }
72

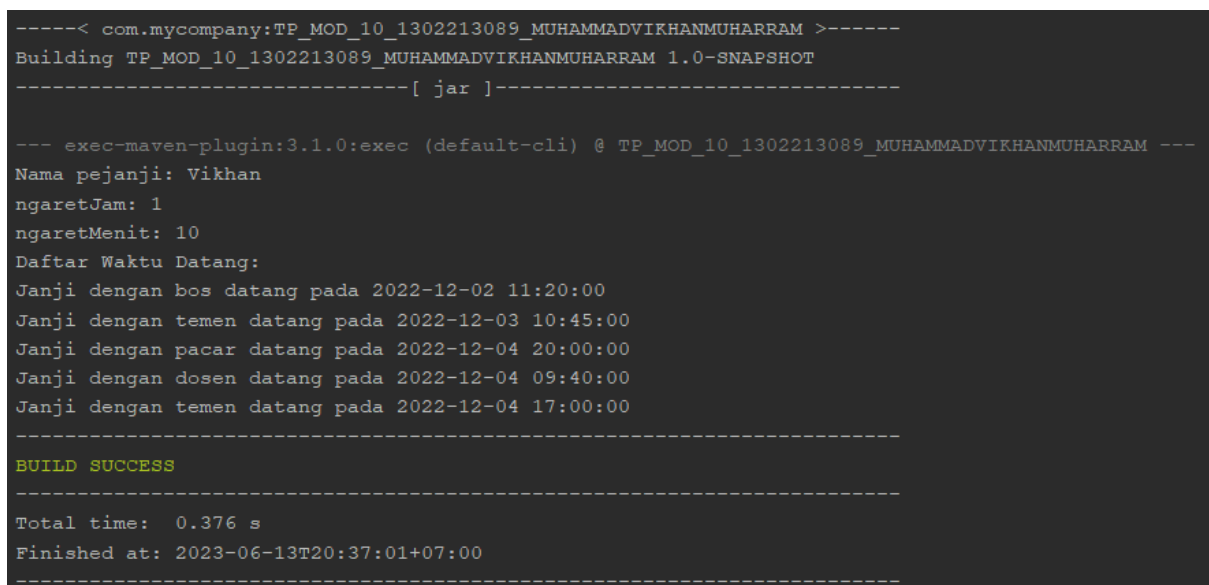
```

3. main



```
1  /*
2   * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
3   */
4
5   package com.mycompany.tp_mod_10_1302213089_muhammadvikhanmuharram;
6   import java.time.LocalDate;
7   import java.time.Month;
8   /**
9    *
10   * @author hp
11   */
12   public class TP_MOD_10_1302213089_MUHAMMADVIKHANMUHARRAM {
13
14       public static void main(String[] args) {
15           Orang pejanji = new Orang(nama: "Vikhan", ngaretJam:1, ngaretMenit: 10);
16
17           LocalDateTime waktuJanji1 = LocalDateTime.of(year: 2022, month: Month.DECEMBER, dayOfMonth: 2, hour: 10, minute: 0);
18           pejanji.tambahJanji(waktuJanji: waktuJanji1, asalJanji: "bos");
19           LocalDateTime waktuJanji2 = LocalDateTime.of(year: 2022, month: Month.DECEMBER, dayOfMonth: 3, hour: 9, minute: 0);
20           pejanji.tambahJanji(waktuJanji: waktuJanji2, asalJanji: "temen");
21           LocalDateTime waktuJanji3 = LocalDateTime.of(year: 2022, month: Month.DECEMBER, dayOfMonth: 4, hour: 18, minute: 30);
22           pejanji.tambahJanji(waktuJanji: waktuJanji3, asalJanji: "pacar");
23           LocalDateTime waktuJanji4 = LocalDateTime.of(year: 2022, month: Month.DECEMBER, dayOfMonth: 4, hour: 7, minute: 30);
24           pejanji.tambahJanji(waktuJanji: waktuJanji4, asalJanji: "dosen");
25           LocalDateTime waktuJanji5 = LocalDateTime.of(year: 2022, month: Month.DECEMBER, dayOfMonth: 4, hour: 15, minute: 0);
26           pejanji.tambahJanji(waktuJanji: waktuJanji5, asalJanji: "temen");
27
28           pejanji.tampilkanSemuaWaktuDatang();
29       }
30   }
31 }
```

Output



```
-----< com.mycompany:TP_MOD_10_1302213089_MUHAMMADVIKHANMUHARRAM >-----
Building TP_MOD_10_1302213089_MUHAMMADVIKHANMUHARRAM 1.0-SNAPSHOT
-----[ jar ]-----

--- exec-maven-plugin:3.1.0:exec (default-cli) @ TP_MOD_10_1302213089_MUHAMMADVIKHANMUHARRAM ---
Nama pejanji: Vikhan
ngaretJam: 1
ngaretMenit: 10
Daftar Waktu Datang:
Janji dengan bos datang pada 2022-12-02 11:20:00
Janji dengan teman datang pada 2022-12-03 10:45:00
Janji dengan pacar datang pada 2022-12-04 20:00:00
Janji dengan dosen datang pada 2022-12-04 09:40:00
Janji dengan teman datang pada 2022-12-04 17:00:00
-----
BUILD SUCCESS
-----

Total time: 0.376 s
Finished at: 2023-06-13T20:37:01+07:00
-----
```