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PBO TP MOD 06

Class SepedaMotor

```

SepedaMotor.java x TPMOD6.java x YamahaMoi.java x HandoBaet.java x
Source History
5 package valdez.tpmod6;
6 import java.time.LocalDateTime;
7 import java.time.format.DateTimeFormatter;
8
9 /**
10  *
11  * @author valde
12  */
13 @
14 public class SepedaMotor {
15     private String warnaMotor;
16     protected int ukuranTangki;
17     private LocalDateTime waktuIsiBensin;
18
19
20     public SepedaMotor(String warna){
21         warnaMotor = warna;
22         ukuranTangki = 3;
23         waktuIsiBensin = null;
24     }
25
26     public void isiTangkiFull(){
27
28         waktuIsiBensin = LocalDateTime.now();
29     }
30
31     public String cekKapanHabis(){
32         //ini biar si jam nya sesuai format, soalnya jika tidak malah aneh
33         DateTimeFormatter formatter = DateTimeFormatter.ofPattern("yyyy-MM-dd HH:mm:ss");
34         return waktuIsiBensin.plusHours(ukuranTangki).format(formatter);
35     }
36
37     public boolean jalan(){
38         if (waktuIsiBensin == null) {
39             System.out.println("Bensin Habis, sepeda motor tidak dapat berjalan");
40             return false;
41         } else {
42
43             public boolean jalan(){
44                 if (waktuIsiBensin == null) {
45                     System.out.println("Bensin Habis, sepeda motor tidak dapat berjalan");
46                     return false;
47                 } else {
48                     System.out.println("Sepeda motor sedang berjalan");
49                     return true;
50                 }
51             }
52         }
53     }
54 }
```

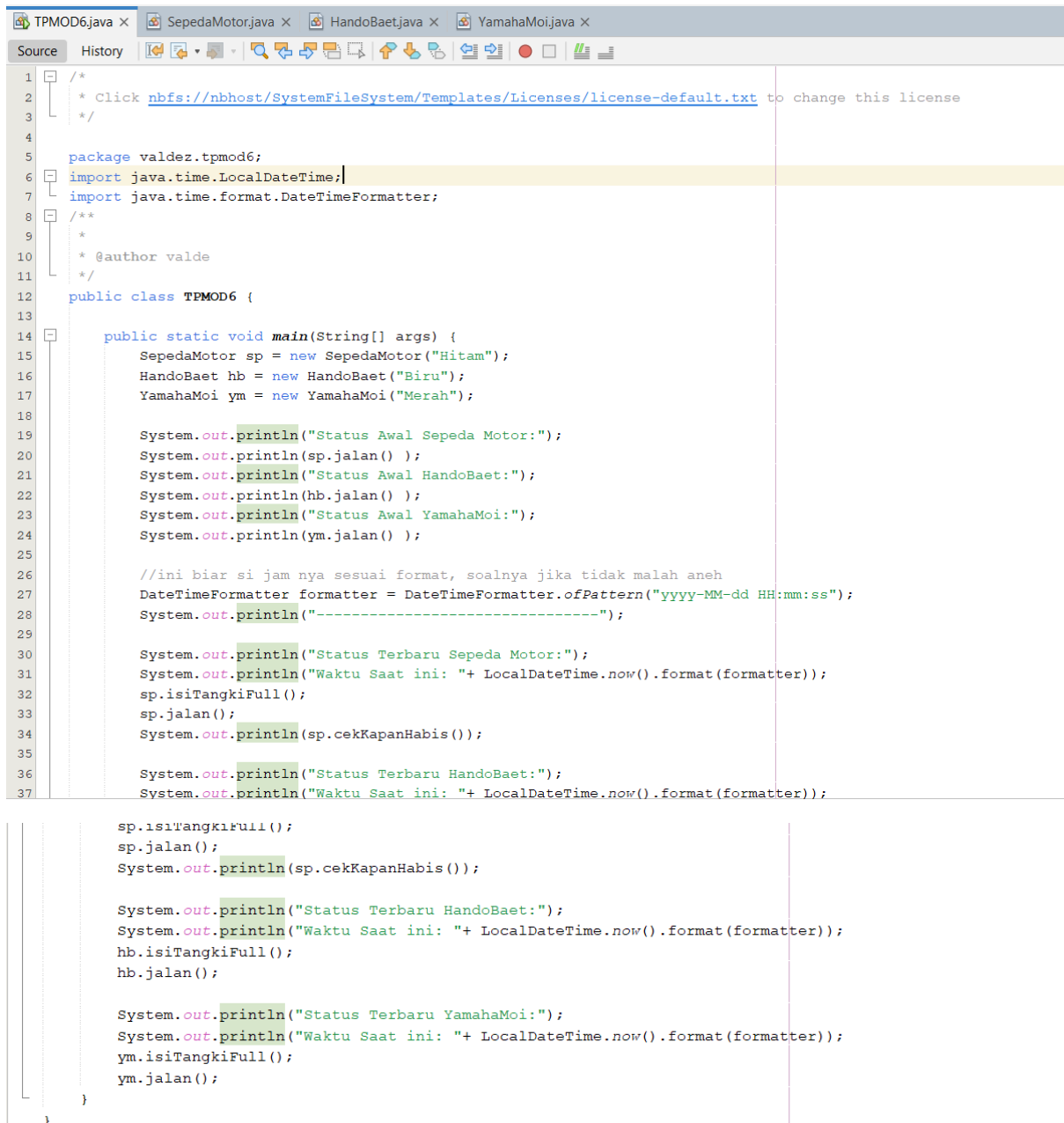
Class HandoBaet

```
TPMOD6.java x SepedaMotor.java x HandoBaet.java x YamahaMoi.java x
Source History
1  /**
2   * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
3   * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template
4   */
5   package valdez.tpm06;
6
7   /**
8    *
9    * @author valde
10   */
11   public class HandoBaet extends SepedaMotor {
12
13       public HandoBaet(String warna) {
14           super(warna);
15           this.ukuranTangki = 4;
16       }
17
18       @Override
19       public boolean jalan() {
20
21           if (!super.jalan()) {
22               return false;
23           } else {
24               System.out.println("Motor Baet akan habis bensin pada " + cekKapanHabis());
25               return true;
26           }
27       }
28   }
29   }
```

Class YamahaMoi

```
Source History
5   package valdez.tpm06;
6
7
8   /**
9    *
10   * @author valde
11   */
12   public class YamahaMoi extends SepedaMotor{
13
14       public YamahaMoi(String warna) {
15           super(warna);
16           this.ukuranTangki = 5;
17       }
18
19       @Override
20       public boolean jalan() {
21
22           if (!super.jalan()) {
23               return false;
24           } else {
25               System.out.println("Bensin akan habis pada " + cekKapanHabis() );
26               return true;
27           }
28       }
29   }
30   }
```

Main



```
1  /*
2  * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
3  */
4
5  package valdez.tpmod6;
6  import java.time.LocalDateTime;
7  import java.time.format.DateTimeFormatter;
8  /**
9   *
10  * @author valde
11  */
12  public class TPMod6 {
13
14      public static void main(String[] args) {
15          SepedaMotor sp = new SepedaMotor("Hitam");
16          HandoBaet hb = new HandoBaet("Biru");
17          YamahaMoi ym = new YamahaMoi("Merah");
18
19          System.out.println("Status Awal Sepeda Motor:");
20          System.out.println(sp.jalan() );
21          System.out.println("Status Awal HandoBaet:");
22          System.out.println(hb.jalan() );
23          System.out.println("Status Awal YamahaMoi:");
24          System.out.println(ym.jalan() );
25
26          //ini biar si jam nya sesuai format, soalnya jika tidak malah aneh
27          DateTimeFormatter formatter = DateTimeFormatter.ofPattern("yyyy-MM-dd HH:mm:ss");
28          System.out.println("-----");
29
30          System.out.println("Status Terbaru Sepeda Motor:");
31          System.out.println("Waktu Saat ini: "+ LocalDateTime.now().format(formatter));
32          sp.isiTangkiFull();
33          sp.jalan();
34          System.out.println(sp.cekKapanHabis());
35
36          System.out.println("Status Terbaru HandoBaet:");
37          System.out.println("Waktu Saat ini: "+ LocalDateTime.now().format(formatter));
38
39          sp.isiTangkiFull();
40          sp.jalan();
41          System.out.println(sp.cekKapanHabis());
42
43          System.out.println("Status Terbaru HandoBaet:");
44          System.out.println("Waktu Saat ini: "+ LocalDateTime.now().format(formatter));
45          hb.isiTangkiFull();
46          hb.jalan();
47
48          System.out.println("Status Terbaru YamahaMoi:");
49          System.out.println("Waktu Saat ini: "+ LocalDateTime.now().format(formatter));
50          ym.isiTangkiFull();
51          ym.jalan();
52      }
53  }
```

OUTPUT

```
--- compiler:3.11.0:compile (default-compile) @ TPMOD6 ---  
Nothing to compile - all classes are up to date
```

```
--- exec:3.1.0:exec (default-cli) @ TPMOD6 ---  
Status Awal Sepeda Motor:  
Bensin Habis, sepeda motor tidak dapat berjalan  
false  
Status Awal HandoBaet:  
Bensin Habis, sepeda motor tidak dapat berjalan  
false  
Status Awal YamahaMoi:  
Bensin Habis, sepeda motor tidak dapat berjalan  
false
```

```
-----  
Status Terbaru Sepeda Motor:  
Waktu Saat ini: 2024-10-20 21:46:43  
Sepeda motor sedang berjalan  
2024-10-21 00:46:43  
Status Terbaru HandoBaet:  
Waktu Saat ini: 2024-10-20 21:46:43  
Sepeda motor sedang berjalan  
Motor Baet akan habis bensin pada 2024-10-21 01:46:43  
Status Terbaru YamahaMoi:  
Waktu Saat ini: 2024-10-20 21:46:43  
Sepeda motor sedang berjalan  
Bensin akan habis pada 2024-10-21 02:46:43
```

```
-----  
BUILD SUCCESS
```

```
-----  
Total time: 1.172 s  
Finished at: 2024-10-20T21:46:43+07:00  
-----
```