

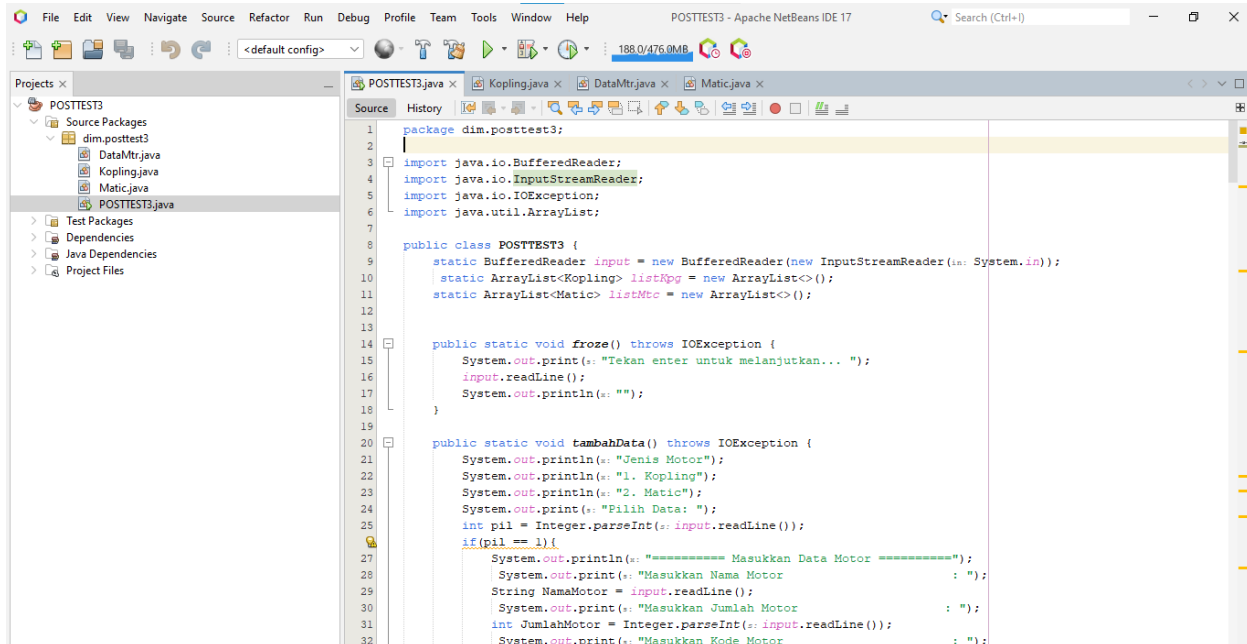
NAMA : DIMAS PANDU WINATA

NIM : 2109106141

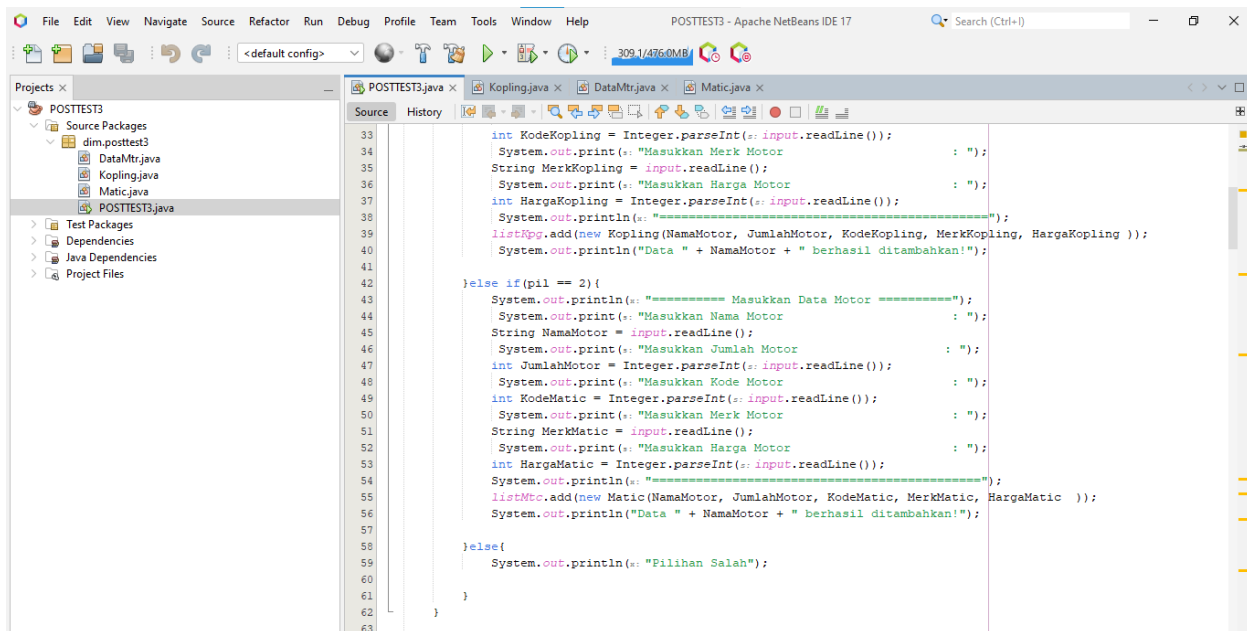
KELAS : INFORMATIKA C'2 2021

## POSTTEST 3 PBO

### SOURCE CODE :



```
1 package dim.posttest3;
2
3 import java.io.BufferedReader;
4 import java.io.InputStreamReader;
5 import java.io.IOException;
6 import java.util.ArrayList;
7
8 public class POSTTEST3 {
9     static BufferedReader input = new BufferedReader(new InputStreamReader(System.in));
10    static ArrayList<Kopling> listKpg = new ArrayList<>();
11    static ArrayList<Matic> listMtc = new ArrayList<>();
12
13
14    public static void froze() throws IOException {
15        System.out.print("Tekan enter untuk melanjutkan... ");
16        input.readLine();
17        System.out.println("");
18    }
19
20    public static void tambahData() throws IOException {
21        System.out.println("Jenis Motor");
22        System.out.println("1. Kopling");
23        System.out.println("2. Matic");
24        System.out.print("Pilih Data: ");
25        int pil = Integer.parseInt(input.readLine());
26        if (pil == 1) {
27            System.out.println("===== Masukkan Data Motor =====");
28            System.out.print("Masukkan Nama Motor : ");
29            String NamaMotor = input.readLine();
30            System.out.print("Masukkan Jumlah Motor : ");
31            int JumlahMotor = Integer.parseInt(input.readLine());
32            System.out.print("Masukkan Kode Motor : ");
```



```
33 int KodeKopling = Integer.parseInt(input.readLine());
34 System.out.print("Masukkan Merk Motor : ");
35 String MerkKopling = input.readLine();
36 System.out.print("Masukkan Harga Motor : ");
37 int HargaKopling = Integer.parseInt(input.readLine());
38 System.out.println("=====");
39 listKpg.add(new Kopling(NamaMotor, JumlahMotor, KodeKopling, MerkKopling, HargaKopling));
40 System.out.println("Data " + NamaMotor + " berhasil ditambahkan!");
41
42 } else if (pil == 2) {
43     System.out.println("===== Masukkan Data Motor =====");
44     System.out.print("Masukkan Nama Motor : ");
45     String NamaMotor = input.readLine();
46     System.out.print("Masukkan Jumlah Motor : ");
47     int JumlahMotor = Integer.parseInt(input.readLine());
48     System.out.print("Masukkan Kode Motor : ");
49     int KodeMatic = Integer.parseInt(input.readLine());
50     System.out.print("Masukkan Merk Motor : ");
51     String MerkMatic = input.readLine();
52     System.out.print("Masukkan Harga Motor : ");
53     int HargaMatic = Integer.parseInt(input.readLine());
54     System.out.println("=====");
55     listMtc.add(new Matic(NamaMotor, JumlahMotor, KodeMatic, MerkMatic, HargaMatic));
56     System.out.println("Data " + NamaMotor + " berhasil ditambahkan!");
57
58 } else {
59     System.out.println("Pilihan Salah");
60 }
61
62 }
63 }
```

```
64 public static void lihatData() throws IOException{
65     System.out.println("Jenis Motor");
66     System.out.println("1. Kopling");
67     System.out.println("2. Matic");
68     System.out.print("Pilih Data: ");
69     int pil = Integer.parseInt(s: input.readLine());
70     if(pil == 1){
71         System.out.println("\n===== List Data Motor =====");
72         if (listKpg.isEmpty()){
73             System.out.println("Belum ada data yang tersimpan!");
74         }else{
75             for(int i = 0; i < listKpg.size();i++){
76                 System.out.println("indeks ke-" + (i));
77                 System.out.println("Nama Motor      : " + listKpg.get(index: i).getNamaMotor());
78                 System.out.println("Jumlah Motor   : " + listKpg.get(index: i).getJumlahMotor());
79                 System.out.println("Kode Motor     : " + listKpg.get(index: i).getKodeKopling());
80                 System.out.println("Merk Motor     : " + listKpg.get(index: i).getHargaKopling());
81                 System.out.println("Harga Motor    : " + listKpg.get(index: i).getMerkKopling());
82             }
83             System.out.println("=====");
84         }
85     }else if(pil == 2){
86         System.out.println("\n===== List Data Motor =====");
87         if (listMtc.isEmpty()){
88             System.out.println("Belum ada data yang tersimpan!");
89         }else{
90             for(int i = 0; i < listMtc.size();i++){
91                 System.out.println("indeks ke-" + (i));
92                 System.out.println("Nama Motor      : " + listMtc.get(index: i).getNamaMotor());
93                 System.out.println("Jumlah Motor     : " + listMtc.get(index: i).getJumlahMotor());
94                 System.out.println("Kode Motor       : " + listMtc.get(index: i).getKodeMatic());
```

```
95     System.out.println("Merk Motor      : " + listMtc.get(index: i).getMerkMatic());
96     System.out.println("Harga Motor   : " + listMtc.get(index: i).getHargaMatic());
97 }
98 }
99 System.out.println("=====");
100 }else{
101     System.out.println("Pilihan salah");
102 }
103 }
104 }
105 }
106 public static void editData() throws IOException{
107     System.out.println("Jenis Motor");
108     System.out.println("1. Kopling");
109     System.out.println("2. Matic");
110     System.out.print("Pilih Data: ");
111     int pil = Integer.parseInt(s: input.readLine());
112     if(pil == 1){
113         if (listKpg.isEmpty()) {
114             System.out.println("Belum ada data yang tersimpan!");
115         } else {
116             System.out.print("Masukkan indeks data motor : ");
117             int index = Integer.parseInt(s: input.readLine());
118             if (index < 0 || index >= listKpg.size()) {
119                 System.out.println("Indeks tidak ditemukan!");
120             } else {
121                 Kopling Kpg = listKpg.get(index);
122                 System.out.println("Pilih indeks ke " + index);
123                 System.out.println("Kpg:");
124                 System.out.println("===== Masukkan data motor yang baru =====");
125                 System.out.print("Masukkan Nama Motor      : ");
```

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POSTTEST3.java

```
126 Kpg.setNameMotor (NamaMotor: input.readLine());
127 System.out.print("Masukkan Jumlah Motor : ");
128 Kpg.setJumlahMotor (JumlahMotor: Integer.parseInt(s: input.readLine()));
129 System.out.print("Masukkan Kode Motor : ");
130 Kpg.setKodeKopling (KodeKopling: Integer.parseInt(s: input.readLine()));
131 System.out.print("Masukkan Merk Motor : ");
132 Kpg.setMerkKopling (MerkKopling: input.readLine());
133 System.out.print("Masukkan Harga Motor : ");
134 Kpg.setHargaKopling (HargaKopling: Integer.parseInt(s: input.readLine()));
135 System.out.println(s: "=====");
136 System.out.println(s: "Data motor berhasil diubah!");
137 }
138 }
139 }else if(pil == 2){
140     if (listMtc.isEmpty()) {
141         System.out.println(s: "Belum ada data yang tersimpan!");
142     } else {
143         System.out.print(s: "Pilih indeks ke: ");
144         int index = Integer.parseInt(s: input.readLine());
145         if (index < 0 || index >= listMtc.size()) {
146             System.out.println(s: "Indeks tidak ditemukan!");
147         } else {
148             Matic Mtc = listMtc.get(index);
149             System.out.println("Data dosen dengan indeks " + index);
150             System.out.println(s: Mtc);
151             System.out.print(s: "===== Masukkan data motor yang baru =====");
152             System.out.print("Masukkan Nama Motor : ");
153             Mtc.setNameMotor (NamaMotor: input.readLine());
154             System.out.print("Masukkan Jumlah Motor : ");
155             Mtc.setJumlahMotor (JumlahMotor: Integer.parseInt(s: input.readLine()));
156             System.out.print("Masukkan Kode Motor : ");
157             Mtc.setKodeMatic (KodeMatic: Integer.parseInt(s: input.readLine()));
```

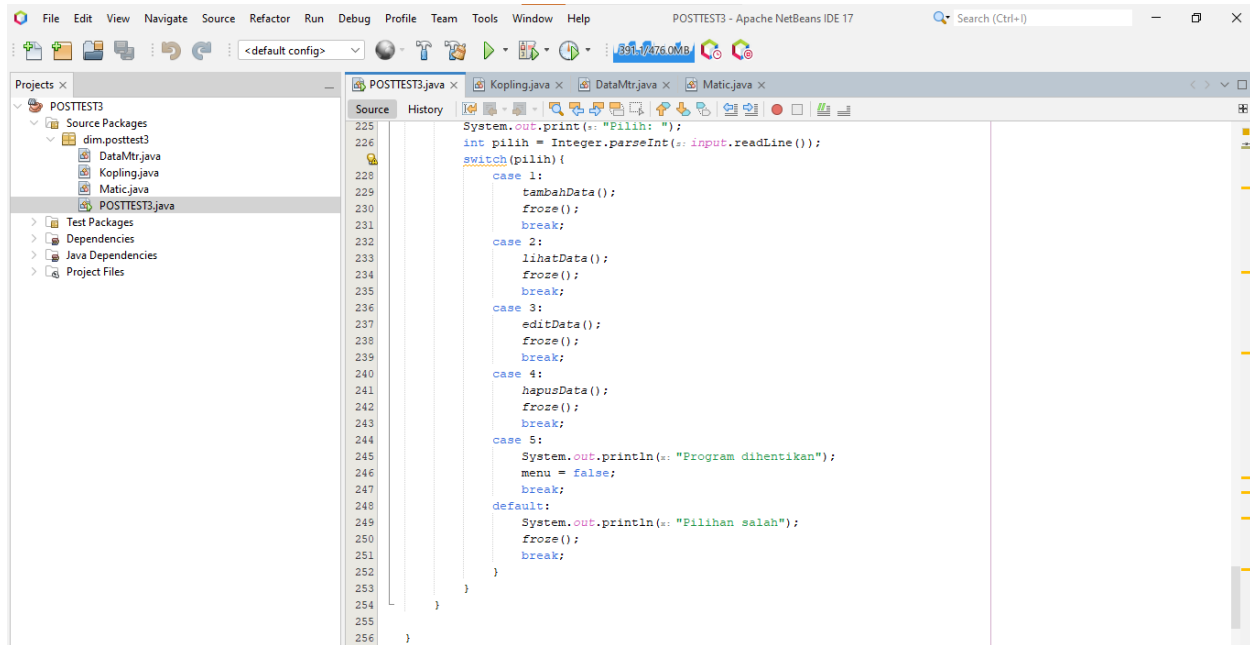
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POSTTEST3.java

```
158 System.out.print("Masukkan Merk Motor : ");
159 Mtc.setMerkMatic (MerkMatic: input.readLine());
160 System.out.print("Masukkan Harga Motor : ");
161 Mtc.setHargaMatic (HargaMatic: Integer.parseInt(s: input.readLine()));
162 System.out.println(s: "=====");
163 System.out.println(s: "Data motor berhasil diubah!");
164 }
165 }
166 }else{
167     System.out.println(s: "Input Salah");
168 }
169 }
170 }
171 public static void hapusData() throws IOException{
172     System.out.println(s: "Jenis data Motor");
173     System.out.println(s: "1. Kopling");
174     System.out.println(s: "2. Matic");
175     System.out.print(s: "Pilih Data: ");
176     int pil = Integer.parseInt(s: input.readLine());
177     if(pil == 1){
178         if (listKpg.isEmpty()) {
179             System.out.println(s: "Belum ada data yang tersimpan!");
180         } else {
181             System.out.print(s: "Masukkan indeks data Motor yang ingin dihapus: ");
182             int index = Integer.parseInt(s: input.readLine());
183             if (index < 0 || index >= listKpg.size()) {
184                 System.out.println(s: "Indeks tidak ditemukan!");
185             } else {
186                 Kopling Kpg = listKpg.get(index);
187                 listKpg.remove(index);
188                 System.out.println("Data Motor indeks ke " + index + " berhasil dihapus!");
189             }
```

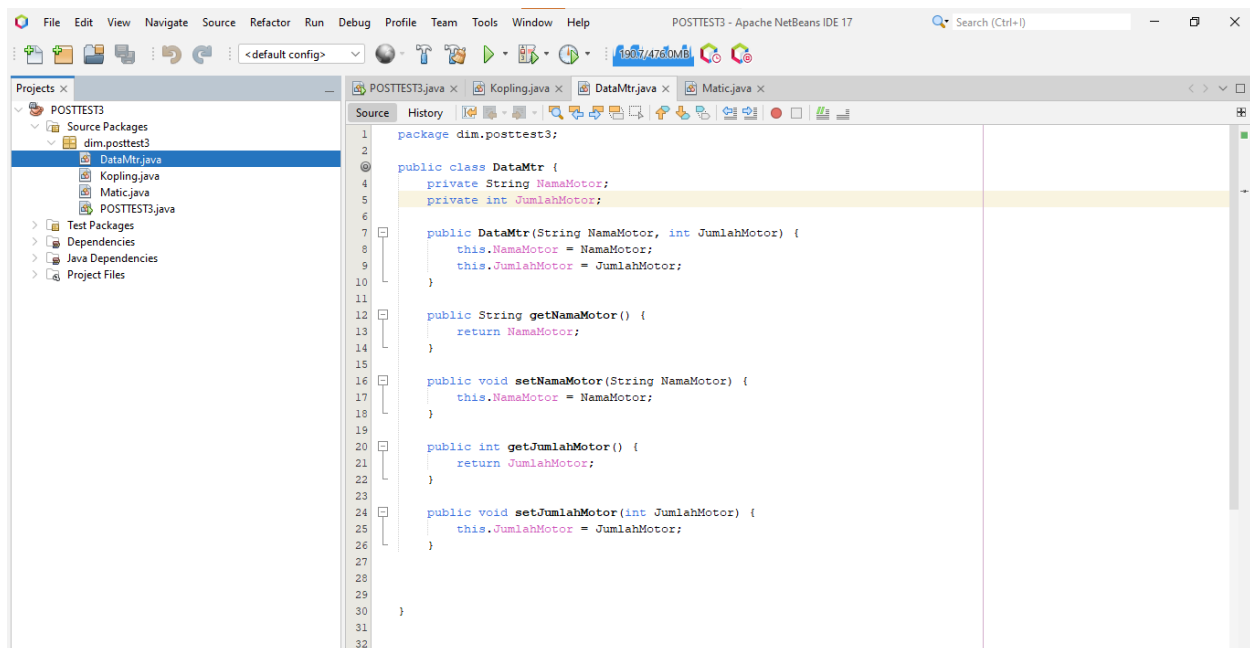
```
190  
191  
192 }else if(pil == 2){  
193     if (listMtc.isEmpty()) {  
194         System.out.println("Belum ada data yang tersimpan!");  
195     } else {  
196         System.out.print("Masukkan indeks data Motor yang ingin dihapus: ");  
197         int index = Integer.parseInt(input.readLine());  
198         if (index < 0 || index >= listMtc.size()) {  
199             System.out.println("Indeks tidak ditemukan!");  
200         } else {  
201             Matic Mtc = listMtc.get(index);  
202             listMtc.remove(index);  
203             System.out.println("Data Motor indeks ke" + index + " berhasil dihapus:");  
204         }  
205     }  
206 }else{  
207     System.out.println("Input Salah");  
208 }  
209  
210 }  
211  
212 public static void main(String[] args) throws IOException {  
213     boolean menu = true;  
214     while(menu == true){  
215         System.out.println("=====  
216         | Program Dealer Motor |  
217         | 1. Tambah             |  
218         | 2. Lihat              |  
219         | 3. Ubah               |  
220         | 4. Hapus              |  
221         | 5. Keluar             |  
222         |=====  
223         """);  
224         System.out.print("Pilih: ");  
225         int pilih = Integer.parseInt(input.readLine());  
226         switch(pilih){  
227             case 1:  
228                 tambahData();  
229                 froze();  
230                 break;  
231             case 2:  
232                 lihatData();  
233                 froze();  
234                 break;  
235             case 3:  
236                 editData();  
237                 froze();  
238                 break;  
239             case 4:  
240                 hapusData();  
241                 froze();  
242                 break;  
243             case 5:  
244                 System.out.println("Program dihentikan");  
245                 menu = false;  
246                 break;  
247             default:  
248                 System.out.println("Pilihan salah");  
249                 froze();  
250                 break;  
251         }  
252     }  
253 }
```

```
221         | 4. Hapus              |  
222         | 5. Keluar             |  
223         |=====  
224         """);  
225         System.out.print("Pilih: ");  
226         int pilih = Integer.parseInt(input.readLine());  
227         switch(pilih){  
228             case 1:  
229                 tambahData();  
230                 froze();  
231                 break;  
232             case 2:  
233                 lihatData();  
234                 froze();  
235                 break;  
236             case 3:  
237                 editData();  
238                 froze();  
239                 break;  
240             case 4:  
241                 hapusData();  
242                 froze();  
243                 break;  
244             case 5:  
245                 System.out.println("Program dihentikan");  
246                 menu = false;  
247                 break;  
248             default:  
249                 System.out.println("Pilihan salah");  
250                 froze();  
251                 break;  
252         }  
253 }
```



POSTTEST3 - Apache NetBeans IDE 17

```
225 System.out.print("Pilih: ");
226 int pilih = Integer.parseInt(s: input.readLine());
227 switch(pilih){
228     case 1:
229         tambahData();
230         frose();
231         break;
232     case 2:
233         lihatData();
234         frose();
235         break;
236     case 3:
237         editData();
238         frose();
239         break;
240     case 4:
241         hapusData();
242         frose();
243         break;
244     case 5:
245         System.out.println("Program dihentikan");
246         menu = false;
247         break;
248     default:
249         System.out.println("Pilihan salah");
250         frose();
251         break;
252 }
253 }
254 }
255 }
256 }
```



POSTTEST3 - Apache NetBeans IDE 17

```
1 package dim.posttest3;
2
3 public class DataMtr {
4     private String>NamaMotor;
5     private int>JumlahMotor;
6
7     public DataMtr(String>NamaMotor, int>JumlahMotor) {
8         this>NamaMotor =>NamaMotor;
9         this.JumlahMotor =JumlahMotor;
10    }
11
12    public String getNamaMotor() {
13        return>NamaMotor;
14    }
15
16    public void setNamaMotor(String>NamaMotor) {
17        this>NamaMotor =>NamaMotor;
18    }
19
20    public int getJumlahMotor() {
21        return>JumlahMotor;
22    }
23
24    public void setJumlahMotor(int>JumlahMotor) {
25        this.JumlahMotor =JumlahMotor;
26    }
27
28
29
30 }
31
32 }
```

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POSTTEST3.java x Kopling.java x DataMtr.java x Matic.java x

Source History

```
1 package dim.posttest3;
2
3 public class Kopling extends DataMtr{
4     private int KodeKopling;
5     private String MerkKopling;
6     private int HargaKopling;
7
8
9     public Kopling(String NamaMotor, int JumlahMotor, int KodeKopling, String MerkKopling, int HargaKopling ) {
10         super(NamaMotor, JumlahMotor);
11         this.KodeKopling = KodeKopling;
12         this.HargaKopling = HargaKopling;
13         this.MerkKopling = MerkKopling;
14     }
15
16     public int getCodeKopling() {
17         return KodeKopling;
18     }
19
20     public void setCodeKopling(int KodeKopling) {
21         this.KodeKopling = KodeKopling;
22     }
23
24     public String getMerkKopling() {
25         return MerkKopling;
26     }
27
28     public void setMerkKopling(String MerkKopling) {
29         this.MerkKopling = MerkKopling;
30     }
31 }
```

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POSTTEST3.java x Kopling.java x DataMtr.java x Matic.java x

Source History

```
15
16     public int getCodeKopling() {
17         return KodeKopling;
18     }
19
20     public void setCodeKopling(int KodeKopling) {
21         this.KodeKopling = KodeKopling;
22     }
23
24     public String getMerkKopling() {
25         return MerkKopling;
26     }
27
28     public void setMerkKopling(String MerkKopling) {
29         this.MerkKopling = MerkKopling;
30     }
31
32     public int getHargaKopling() {
33         return HargaKopling;
34     }
35
36     public void setHargaKopling(int HargaKopling) {
37         this.HargaKopling = HargaKopling;
38     }
39
40 }
```

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Projects

- POSTTEST3
  - Source Packages
    - dim.posttest3
      - DataMtr.java
      - Kopling.java
      - Matic.java
      - POSTTEST3.java
    - Test Packages
    - Dependencies
    - Java Dependencies
    - Project Files

Source

```
1 package dim.posttest3;
2
3 public class Matic extends DataMtr{
4     private int KodeMatic;
5     private int HargaMatic;
6     private String MerkMatic;
7
8
9
10    public Matic(String NamaMotor, int JumlahMotor, int KodeMatic, String MerkMatic, int HargaMatic) {
11        super(NamaMotor, JumlahMotor);
12        this.KodeMatic = KodeMatic;
13        this.HargaMatic = HargaMatic;
14        this.MerkMatic = MerkMatic;
15    }
16
17    public int getKodeMatic() {
18        return KodeMatic;
19    }
20
21    public void setKodeMatic(int KodeMatic) {
22        this.KodeMatic = KodeMatic;
23    }
24
25    public int getHargaMatic() {
26        return HargaMatic;
27    }
28
29    public void setHargaMatic(int HargaMatic) {
30        this.HargaMatic = HargaMatic;
31    }
32 }
```

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Search (Ctrl+I)

Projects

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      - DataMtr.java
      - Kopling.java
      - Matic.java
      - POSTTEST3.java
    - Test Packages
    - Dependencies
    - Java Dependencies
    - Project Files

Source

```
9    public Matic(String NamaMotor, int JumlahMotor, int KodeMatic, String MerkMatic, int HargaMatic) {
10        return KodeMatic;
11    }
12
13    public void setKodeMatic(int KodeMatic) {
14        this.KodeMatic = KodeMatic;
15    }
16
17    public int getHargaMatic() {
18        return HargaMatic;
19    }
20
21    public void setHargaMatic(int HargaMatic) {
22        this.HargaMatic = HargaMatic;
23    }
24
25    public String getMerkMatic() {
26        return MerkMatic;
27    }
28
29    public void setMerkMatic(String MerkMatic) {
30        this.MerkMatic = MerkMatic;
31    }
32
33
34
35
36
37
38
39
40
41
42
43 }
```

## OUTPUT :

```
--- exec-maven-plugin:3.1.0:exec (default-cli) @ POSTTEST3 ---
Program Dealer Motor
=====
| 1. Tambah          |
| 2. Lihat           |
| 3. Ubah            |
| 4. Hapus           |
| 5. Keluar          |
=====

Pilih: 1
Jenis Motor
1. Kopling
2. Matic
Pilih Data: 1
===== Masukkan Data Motor =====
Masukkan Nama Motor      : Jupiter Hx 135
Masukkan Jumlah Motor    : 1
Masukkan Kode Motor      : 001
Masukkan Merk Motor      : Yamaha
Masukkan Harga Motor     : 30
=====
Data Jupiter Hx 135 berhasil ditambahkan!
Tekan enter untuk melanjutkan...
```

```
Program Dealer Motor
=====
| 1. Tambah          |
| 2. Lihat           |
| 3. Ubah            |
| 4. Hapus           |
| 5. Keluar          |
=====

Pilih: 1
Jenis Motor
1. Kopling
2. Matic
Pilih Data: 1
===== Masukkan Data Motor =====
Masukkan Nama Motor      : Wr 155
Masukkan Jumlah Motor    : 1
Masukkan Kode Motor      : 141
Masukkan Merk Motor      : Yamaha
Masukkan Harga Motor     : 42
=====
Data Wr 155 berhasil ditambahkan!
Tekan enter untuk melanjutkan...
```

```
Program Dealer Motor
=====
| 1. Tambah          |
| 2. Lihat           |
| 3. Ubah            |
| 4. Hapus           |
| 5. Keluar          |
=====

Pilih: 2
Jenis Motor
1. Kopling
2. Matic
Pilih Data: 2
===== Masukkan Data Motor =====
Masukkan Nama Motor      : Scoopy
Masukkan Jumlah Motor    : 2
Masukkan Kode Motor      : 003
Masukkan Merk Motor      : Honda
Masukkan Harga Motor     : 25
=====
Data Scoopy berhasil ditambahkan!
Tekan enter untuk melanjutkan...
```



