Nama : Natalie Fuad

NIM : 2109106040

Kelas : INFORMATIKA A2'21

POSTTEST 3 – Pemrograman Berorientasi Objek

SCREENSHOT PROGRAM

Tema : Pendataan Peserta Lomba

Screenshot file PosttestTiga.java

```
Start Page × PosttestTiga.java ×
                                                                                                       v 🗆
Services
    4
                                                                                                          //POSTTEST 3 PBO
显
                    : Natalie Fuad
      3
           //Nama
                        : 2109106040
           //NIM
₽
                       : INFORMATIKA A2'21
      5
           //Kelas
Files
           package PBO.POSTTEST3:
9 \( \preceq \) import java.util.ArrayList;
     10
           import java.io.BufferedReader;
import java.io.IOException;
                                                                                                          11
     12
           import java.io.InputStreamReader;
Projects
     13
     14
           public class PosttestTiga {
               static InputStreamReader input = new InputStreamReader(in:System.in):
     15
4
               static BufferedReader bfr = new BufferedReader(in:input);
               static ArrayList<DataPeserta> peserta = new ArrayList<DataPeserta>();
               static ArrayList<DataPemenang> pemenang = new ArrayList<DataPemenang>();
               static ArrayList<DataFinalis> finalis = new ArrayList<DataFinalis>();
     20
               static JudulPosttest jdl = new JudulPosttest();
               static int index = 0;
     21
     22
     23
               public static void main(String args[]) throws IOException {
     24
                   jdl.judul();
     25
     26
                   while(true){
     27
                        dl.menu();
                        System.out.println(x:"\t\t: 1 : Add Data");
     28
                       System.out.println(x:"\t\t: 2 : Read Data");
     29
                       System.out.println(x:"\t\t: 3 : Update Data");
     30
                       System.out.println(x:"\t\t: 4 : Delete Data");
     31
     32
                       System.out.println(x:"\t\t: 5 : Exit");
     33
                       System.out.println(x:"\t\t-----
                       System.out.print( s: "\t\tMasukkan pilihan anda » ");
     34
     35
                       try {
                       int pilihan = Integer.parseInt(s:bfr.readLine());
     36
     37
     <u>Q.</u>
                       if(pilihan == 1){
                           jdl.menuAdd();
     39
     40
                            idl.menuData():
                           int pilihanAdd = Integer.parseInt( s: bfr.readLine());
     41
     42
                           addData(pilihan:pilihanAdd);
     43
     44
                       } else if (pilihan == 2) {
     45
     46
                           jdl.menuRead();
     47
                            idl.menuData():
     48
                           int pilihanRead = Integer.parseInt( s: bfr.readLine());
     49
     50
                           readData(pilihan:pilihanRead);
     51
                       } else if (pilihan == 3){
     52
                           jdl.menuUpdate();
     53
     54
                            idl.menuData();
     55
                           int pilihanUpdate = Integer.parseInt( s: bfr.readLine());
     56
                           readData(pilihan:pilihanUpdate);
     58
                           updateData(pilihan:pilihanUpdate);
     59
     60
                        } else if (pilihan == 4) {
     61
                           idl.menuDelete():
     62
                            jdl.menuData();
     63
                           int pilihanDel = Integer.parseInt( s: bfr.readLine());
     65
                           readData(pilihan:pilihanDel);
                           deleteData(pilihan:pilihanDel);
     66
     67
                        } else if (pilihan == 5) {
     68
     69
                           jdl.newLine();
     70
                           jdl.menuExit();
     71
                           break:
```

```
} else {
    jdl.newLine();
 73
 74
 75
                  jdl.nonMenu();
 76
                  jdl.newLine();
 77
 79
               } catch (Exception e) {
                  jdl.newLine();
                 System.out.println(x:"\n\t\t ! INPUT HARUS ANGKA !");
jdl.newLine();
 80
 81
 82
 83
 84
PosttestPBO (run) running... × 99:17 INS Windows (CRLF)
```

Void addData

```
Start Page × PosttestTiga.java ×
    Services
                                                                                                         ₩.
               static void addData(int pilihan) throws IOException{
                                                                                                          86
暴
     87
     88
                   //add data peserta
                   if (pilihan == 1) {
jdl.newLine();
     90
     91
                        jdl.menuAddPeserta();
Files
     92
     93
trv {
                           int nomorPeserta = ++index;
     94
                           System.out.print( :: "\t\tInput nama lengkap peserta
                                                                                  : "):
     95
96
                           String nama = bfr.readLine();
     97
                           System.out.print(s:"\t\tInput angkatan peserta
                                                                                  : "):
Projects
     98
                            int angkatan = Integer.parseInt( s:bfr.readLine());
                           System.out.println(x:"\n\t\t*jika mahasiswa silahkan input semester*");
     99
    100
                           System.out.print( s: "\t\tInput kelas peserta
    101
                            int kelas = Integer.parseInt(s:bfr.readLine());
                           System.out.print(s:"\t\tInput kategori lomba
    102
                                                                                  : "):
                           String lomba = bfr.readLine();
    103
    104
                           System.out.print(s:"\t\tInput asal instansi peserta
    105
                           String asalInstansi = bfr.readLine();
    106
                           System.out.println(x:"");
    107
    108
                           peserta.add(new DataPeserta(nomorPeserta, nama, angkatan, kelas,
                                   lomba, asalInstansi));
    109
    110
    111
                           idl.newLine():
    112
                            idl.berhasil():
    113
                           jdl.newLine();
    114
                       } catch (Exception e) {
    116
                            jdl.newLine();
    117
                           System.out.println(x:"\n\t\t ! INPUT HARUS ANGKA !");
                            jdl.newLine();
    118
    119
    120
    121
                   // add data pemenang
    122
                   } else if (pilihan == 2){
    123
                       jdl.newLine();
                        jdl.menuAddPemenang();
    124
    125
                       if (peserta.size() == 0) {
    127
                           System.out.println("\t! MOHON MASUKKAN DATA PESERTA TERLEBIH "
    128
                                   + "DAHULU !");
    129
                            readData(pilihan:1);
    130
                           System.out.print(s:"\t\tPilih nomor data peserta » ");
    131
    132
                           try {
                               int indexPeserta = Integer.parseInt(s:bfr.readLine());
    133
    134
    135
                               if (cekData(pilihan: 2, indexPeserta) == 1) {
    136
                               } else if (cekData(pilihan: 2, indexPeserta) == 2) {
                                   int nomorPeserta = peserta.get(indexPeserta-1).getNomorPeserta();
    137
    138
                                   String nama = peserta.get(indexPeserta-1).getNama();
                                   int angkatan = peserta.get(indexPeserta-1).getAngkatan();
    139
                                   int kelas = peserta.get(indexPeserta-1).getKelas():
    140
    141
                                   String lomba = peserta.get(indexPeserta-1).getLomba();
    142
                                   String asalInstansi = peserta.get(indexPeserta-1).getAsalInstansi();
    143
                                   System.out.print( s: "\t\tInput kategori juara
                                   String kategoriJuara = bfr.readLine();
    144
                                   System.out.print( s: "\t\tInput peringkat peserta
    145
    146
                                    int peringkat = Integer.parseInt( s: bfr.readLine());
                                   System.out.println(x:"");
    147
    148
    149
                                   pemenang.add(new DataPemenang(nomorPeserta, nama, angkatan,
    150
                                           kelas, lomba, asalInstansi, kategoriJuara, peringkat));
    151
                                    jdl.newLine();
    152
                                    jdl.berhasil();
                                    jdl.newLine();
    153
    154
```

```
} catch (Exception e) {
156
                            jdl.newLine();
157
                            System.out.println(x:"\n\t\t ! INPUT HARUS ANGKA !");
                            jdl.newLine();
158
159
160
161
162
                                                                                                       _
-
-
163
                //add data finalis
164
               } else if (pilihan == 3){
                    jdl.newLine();
165
166
                    jdl.menuAddFinalis();
167
                   if (peserta.size() == 0){
                        System.out.println("\t! MOHON MASUKKAN DATA PESERTA TERLEBIH "
169
170
                               + "DAHULU !");
171
                    } else {
172
                        readData(pilihan:1);
                        System.out.print( s: "\t\tPilih nomor data peserta » ");
173
174
                        try {
                            int indexPeserta = Integer.parseInt(s:bfr.readLine());
175
176
177
                            if (cekData(pilihan: 3, indexPeserta) == 1) {
178
                            } else if (cekData(pilihan: 3, indexPeserta) == 2){
179
                                int nomorPeserta = peserta.get(indexPeserta-1).getNomorPeserta();
                                String nama = peserta.get(indexPeserta-1).getNama();
180
                                int angkatan = peserta.get(indexPeserta-1).getAngkatan();
181
                                int kelas = peserta.get(indexPeserta-1).getKelas();
182
183
                                String lomba = peserta.get(indexPeserta-1).getLomba();
184
                                String asalInstansi = peserta.get(indexPeserta-1).getAsalInstansi();
185
                               System.out.print(s:"\t\tInput babak finalis
                                                                                : ");
186
                                String tingkatBabak = bfr.readLine();
187
                               System.out.println(x:"");
188
189
                                finalis.add(new DataFinalis(nomorPeserta, nama, angkatan,
                                       kelas, lomba, asalInstansi, tingkatBabak));
190
                                idl.newLine();
191
192
                                idl.berhasil():
193
                                jdl.newLine();
194
                       } catch (Exception e) {
196
                            jdl.newLine();
                            System.out.println(x:"\n\t\t ! INPUT HARUS ANGKA !");
197
                            jdl.newLine();
198
199
200
201
202
                } else {
                    jdl.newLine();
203
                    jdl.nonMenu();
204
                    idl.newLine():
205
206
207
208
PBO.POSTTEST3.PosttestTiga > addData > if (pilihan == 1) > try >
                       PosttestPBO (run) running... × 99:17 INS Windows (CRLF)
```

Void cekData

```
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                                                                                                       v 🗆
Services
    Source History | 🔀 📮 ▼ 🗐 ▼ 💆 🔻 🚭 😭 | 🚰 💇 | 🌑 🖂 | 🕌 🚢
                                                                                                          4
   208
                                                                                                          显 209 早
               public static int cekData(int pilihan, int indexPeserta) throws IOException{
    210
                    //cek data pemenang
    211
                   if (pilihan == 2) {
if (pemenang.size() > 0) {
    213
                           for(int i = 0; i < pemenang.size(); i++){</pre>
Files
   214
                               if (pemenang.get(index:i).getNomorPeserta() == indexPeserta){
                                   jdl.newLine();
215
    216
                                   System.out.println(x:"\n\t\t! DATA PESERTA SUDAH ADA !");
    217
                                    jdl.newLine();
218
                                   return 1;
    219
                               } else {
Projects
    220
                                   return 2;
    221
    222
    223
    224
    225
                   // cek data finalis
    226
                   } else if (pilihan == 3){
                       if (finalis.size() > 0){
    228
                           for(int i = 0; i < finalis.size(); i++){</pre>
                                                                                                         if (finalis.get(index:i).getNomorPeserta() == indexPeserta){
    229
                                    jdl.newLine();
    230
                                   System.out.println(x:"\n\t\t! DATA PESERTA SUDAH ADA !");
    231
    232
                                   jdl.newLine();
    233
                                   return 1;
    234
                               } else {
    235
                                   return 2;
    236
    237
    238
    239
    240
                    return 0;
    241
    242
```

Void readData

```
Start Page × PosttestTiga.java ×
Services
    ₽
                                                                                                      243
               static void readData(int pilihan) throws IOException {
显
    244
                   // read data peserta
    245
                   if (pilihan == 1) {
₽
                                                                                                      jdl.newLine();
   247
Files
                       if (peserta.size() == 0) {
    249
                          System.out.println(x:"\n\t\t ! BELUM ADA DATA !");
250
    251
                      } else {
                          jdl.menuReadPeserta();
252
                          for (int i=0; i<peserta.size(); i++){</pre>
    253
Projects
                              System.out.println("\t\t > Data Peserta Ke " +(i+1));
    254
    255
                               System.out.println(x:"\t\t---
                                                                                                      ---
    256
                              System.out.println("\t\t Nomor peserta
4
    257
                                                 +peserta.get(index:i).getNomorPeserta());
                                                                                                      258
                              System.out.println("\t\t Nama lengkap peserta : "
                                                 +peserta.get(index:i).getNama());
    259
                              System.out.println("\t\t Angkatan
    260
    261
                                                 +peserta.get(index:i).getAngkatan());
                                                                                                      System.out.println("\t\t Kelas
    262
                                                                                                      =
    263
                                                 +peserta.get(index:i).getKelas());
    264
                              System.out.println("\t\t Lomba yang diikuti
                                                 +peserta.get(index:i).getLomba());
    265
    266
                              System.out.println("\t\t Asal Instansi peserta :
                                                                                                      +peserta.get(index:i).getAsalInstansi());
    267
                              System.out.println(x:"\t\t-----
    268
    269
    270
    271
                       jdl.newLine();
    272
                   // read data pemenang
    273
    274
                   } else if(pilihan == 2){
                       idl.newLine():
    275
                                                                                                      if (pemenang.size() == 0) {
                                                                                                      System.out.println(x:"\n\t\t ! BELUM ADA DATA !");
    277
    278
    279
    280
                           jdl.menuReadPemenang();
    281
                           for (int i=0; i<pemenang.size(); i++){</pre>
                               System.out.println("\t\t > Data Peserta Ke " +(i+1));
    282
                               System.out.println(x:"\t\t-----
    283
                              System.out.println("\t\t Nomor Peserta
    284
    285
                                                +pemenang.get(index:i).getNomorPeserta());
                                                                                                      286
                              System.out.println("\t\t Nama lengkap Peserta : "
    287
                                                 +pemenang.get(index:i).getNama());
                              System.out.println("\t\t Angkatan
    288
                                                                                                      289
                                                 +pemenang.get(index:i).getAngkatan());
                                                                                                      System.out.println("\t\t Kelas
    290
    291
                                                 +pemenang.get(index:i).getKelas());
                              System.out.println("\t\t Lomba yang diikuti
    292
    293
                                                 +pemenang.get(index:i).getLomba());
    294
                               System.out.println("\t\t Asal Instansi Peserta : "
    295
                                                 +pemenang.get(index:i).getAsalInstansi());
                               System.out.println("\t\t Kategori Juara
    296
    297
                                                 +pemenang.get(index:i).getKategoriJuara());
                              System.out.println("\t\t Peringkat peserta :
    298
    299
                                                 +pemenang.get(index:i).getPeringkat());
    300
                              System.out.println(x:"\t\t---
    301
                                                                                                      =
    302
                       jdl.newLine();
    303
    304
```

```
305
              // read data finalis
                                                                                             } else if(pilihan == 3){
306
307
                  jdl.newLine();
                  if (finalis.size() == 0){
                     System.out.println(x:"\n\t\t
                                                   ' BELUM ADA DATA '"):
309
310
311
312
                     jdl.menuReadPemenang();
313
                     for (int i=0; i<finalis.size(); i++){</pre>
                         System.out.println("\t\t Data Peserta Ke " +(i+1));
314
                                                                                             System.out.println(x:"\t\t-----
315
                                                                                             System.out.println("\t\t Nomor Peserta
316
                                          +finalis.get(index:i).getNomorPeserta());
317
                         System.out.println("\t\t Nama lengkap Peserta : "
318
319
                                           +finalis.get(index:i).getNama());
320
                         System.out.println("\t\t Angkatan
321
                                          +finalis.get(index:i).getAngkatan());
322
                         System.out.println("\t\t Kelas
                                          +finalis.get(index:i).getKelas());
323
                         System.out.println("\t\t Lomba yang diikuti
324
325
                                          +finalis.get(index:i).getLomba());
                         System.out.println("\t\t Asal Instansi Peserta : "
326
327
                                           +finalis.get(index:i).getAsalInstansi());
328
                         System.out.println("\t\t Babak Finalis
                                                                                             +finalis.get(index:i).getTingkatBabak());
329
                         System.out.println(x:"\t\t----
330
331
332
333
                  jdl.newLine();
334
335
336
                 jdl.newLine();
337
                  jdl.nonMenu();
                  jdl.newLine();
338
339
340
341
PosttestPBO (run) running_ × 99:17 INS Windows (CRLF)
```

Void updateData

```
Start Page × PosttestTiga.java ×
    Source History | № 🖟 🔻 - | 🔍 🖰 🐶 🖶 🗐 | 🖓 😓 | 😫 💇 | ● 🖂 | 🕌 🚆
                                                                                                           ÷
    341
              static void updateData(int pilihan) throws IOException {
    342 ⊟
暴
    343
    344
                  //update data peserta
if (pilihan == 1) {
                      if (peserta.size() == 0){
Files
    347
                          System.out.println(x:"\t! MOHON MASUKKAN DATA PESERTA TERLEBIH DAHULU !");
    348
349
                          System.out.print(s:"\t\tInput nomor data yang ingin diubah » ");
    350
                          try {
    351
                              int indexUp = Integer.parseInt( s:bfr.readLine());
₽
    352
                              System.out.println(x:"\t\t-----
Projects
    353
                              System.out.print( :: "\n\t\tIngin mengubah data nama?\n\t\t[Yes>1/No>2] »
    354
                              int ubahNama = Integer.parseInt(s:bfr.readLine());
    355
                              if(ubahNama == 1){
    356
                                  System.out.print( :: "\n\t\tInput nama lengkap peserta : ");
    357
    358
                                  String newNama = bfr.readLine();
    359
                                  peserta.get(indexUp-1).setNama(nama:newNama);
    360
                              } else if (ubahNama == 2){
                                                                                                           361
    362
    363
                              System.out.print(s: "\n\t\tIngin mengubah data angkatan?\n\t\t[Yes>1/No>2] x
                              int ubahAngkatan = Integer.parseInt( z:bfr.readLine());
    364
    365
    366
                              if(ubahAngkatan == 1){
                                  System.out.print(s:"\n\t\tInput angkatan data peserta
    367
                                                                                               : ");
                                  int newAngkatan = Integer.parseInt(s:bfr.readLine());
    368
                                  peserta.get(indexUp-1).setAngkatan(angkatan:newAngkatan);
    369
    370
                              } else if (ubahAngkatan == 2){
    371
    372
    373
                              System.out.print(s:"\n\t\tIngin mengubah data kelas?\n\t\t[Yes>1/No>2] >
    374
                              int ubahKelas = Integer.parseInt( s: bfr.readLine());
    375
    376
                              if(ubahKelas == 1){
    377
                                  System.out.println(x:"\n\t\t*jika mahasiswa silahkan input semester*");
    378
                                  System.out.print(s:"\t\tInput kelas peserta
    379
                                  int newKelas = Integer.parseInt( s: bfr.readLine());
    380
                                  peserta.get(indexUp-1).setKelas(kelas:newKelas);
    381
                              } else if (ubahKelas == 2){
    382
    383
                              System.out.print(s:"\n\t\tIngin mengubah data lomba?\n\t\t[Yes»1/No»2] »
    384
    385
                              int ubahLomba = Integer.parseInt(s:bfr.readLine());
    386
                                                                                                           387
                              if(ubahLomba == 1){
                                                                                                           System.out.print(s:"\n\t\tInput lomba yang diikuti
    388
    389
                                  String newLomba = bfr.readLine();
    390
                                  peserta.get(indexUp-1).setLomba(lomba:newLomba);
    391
                              } else if (ubahLomba == 2){
    392
    393
    394
                              System.out.print(s: "\n\t\tIngin mengubah data asal instansi?\n\t\t[Yes»1/Nc
    395
                              int ubahInstansi = Integer.parseInt(s:bfr.readLine());
    396
    397
                              if(ubahInstansi == 1){
                                  System.out.print(s:"\n\t\tInput asal instansi peserta : ");
    398
                                  String newAsalInstansi = bfr.readLine();
    399
    400
                                  peserta.get(indexUp-1).setAsalInstansi(asalInstansi:newAsalInstansi);
                              } else if (ubahInstansi == 2) {
                                                                                                           401
    402
    403
                              System.out.println(x:"");
    404
    405
                               jdl.newLine();
    406
                              idl.berhasil();
    407
                              jdl.newLine();
    408
                           } catch (Exception e) {
    410
                               jdl.newLine();
    411
                              System.out.println(x:"\n\t\t ! INPUT HARUS ANGKA !");
                              jdl.newLine();
    412
    413
    414
    🟠 PBO.POSTTEST3.PosttestTiga 》 🏺 addData 》 if (pilihan == 1) 》 try 🔊
                           PosttestPBO (run) running... × 99:17 INS Windows (CRLF)
```

```
a
    Start Page × PosttestTiga.java ×
Services
    4
    413
    414
显
    415
                  // update data pemenang
    416
                 } else if(pilihan == 2){
П
    417
                                                                                                       if (peserta.size() == 0){
Files
                         System.out.println(x:"\t! MOHON MASUKKAN DATA PESERTA TERLEBIH DAHULU !");
    419
    420
                     } else {
421
                         System.out.print(s:"\t\tInput nomor data yang ingin diubah » ");
    422
423
                             int indexUp = Integer.parseInt( s:bfr.readLine());
    424
                             System.out.println(x:"\t\t---
    425
                             System.out.print(s: "\n\t\tIngin mengubah data kategori juara?\n\t\t[Yes»1/N
    426
                                                                                                       -9-
                             int ubahJuara = Integer.parseInt(s:bfr.readLine());
    427
    428
    429
                             if(ubahJuara == 1){
    430
                                 // contoh data yang di-inputkan » "utama/harapan/favorite"
    431
                                 System.out.print(s:"\t\tInput kategori juara
                                 String newKategoriJuara = bfr.readLine();
    432
                                                                                                       pemenang.get(indexUp-1).setKategoriJuara(kategoriJuara:newKategoriJuara);
    433
                             } else if (ubahJuara == 2){
    434
    435
    436
    437
                             System.out.print(s:"\n\t\tIngin mengubah data peringkat?\n\t\t[Yes»1/No»2]
    438
                             int ubahPeringkat = Integer.parseInt( s:bfr.readLine());
    439
    440
                             if(ubahPeringkat == 1){
                                  // contoh data yang di-inputkan » "1, 2, 3, dst."
    441
                                 System.out.print( s: "\n\t\tInput peringkat peserta : ");
    442
                                 int newPeringkat = Integer.parseInt( s: bfr.readLine());
    443
    444
                                 pemenang.get(indexUp-1).setPeringkat(peringkat:newPeringkat);
    445
                             } else if (ubahPeringkat == 2){
                                                                                                       446
    447
                             System.out.println(x:"");
    448
                             idl.newLine();
    449
                             idl.berhasil():
    450
    451
                             jdl.newLine();
    452
                         } catch (Exception e) {
    454
    455
                             System.out.println(x:"\n\t\t ! INPUT HARUS ANGKA !");
                             jdl.newLine();
    456
    457
    458
    459
```

```
// update data finalis
460
                                                                                                           461
               } else if(pilihan == 3){
                   if (peserta.size() == 0){
 <u>Q.</u>
463
                       System.out.println( x: "\t! MOHON MASUKKAN DATA PESERTA TERLEBIH DAHULU !");
464
                       System.out.print( :: "\t\tInput nomor data yang ingin diubah » ");
465
466
                           int indexUp = Integer.parseInt( s: bfr.readLine());
467
                           System.out.println(x:"\t\t----
468
469
470
                           System.out.print( :: "\n\t\tIngin mengubah data babak finalis?\n\t\t[Yes»1/Nc
471
                           int ubahTingkat = Integer.parseInt( s: bfr.readLine());
                                                                                                           472
473
                           if(ubahTingkat == 1){
                                                                                                           // contoh data yang di-inputkan » "semi-final/grand-final"
System.out.print(s:"\t\tInput babak finalis : ");
474
475
                               String newTingkatBabak = bfr.readLine();
476
477
                               finalis.get(indexUp-1).setTingkatBabak(tingkatBabak:newTingkatBabak);
478
                           } else if (ubahTingkat == 2){
479
480
481
                           System.out.println(x:"");
                           idl.newLine();
482
                           jdl.berhasil();
483
484
                           jdl.newLine();
485
                       } catch (Exception e) {
487
                            jdl.newLine();
                           System.out.println(x:"\n\t\t ! INPUT HARUS ANGKA !");
488
                           jdl.newLine();
489
490
491
492
493
               } else {
494
                   jdl.newLine();
                   jdl.nonMenu();
495
                   jdl.newLine();
496
497
498
499
♠ PBO.POSTTEST3.PosttestTiga > → addData > if (pilihan == 1) > try >
                        PosttestPBO (run) running... × 99:17 INS Windows (CRLF)
```

Void deleteData

```
₫
    Start Page × PosttestTiga.java ×
                                                                                                        v 🗆
Services
            History | 🔀 🛂 → 📮 → | 🔼 🐶 🚭 📑 | 🚰 🔮 | 🐓 🔩 | 😂 🖆 | ● 🖂 | 🕌 📑
                                                                                                          4
    Source
                                                                                                           491
显
    492
    493
                  } else {
                     jdl.newLine();
    494
jdl.nonMenu();
                                                                                                          495
                      jdl.newLine();
    496
Files
    497
498
    499
    500
              static void deleteData(int pilihan) throws IOException {
501
                                                                                                          =
Projects
    502
                  // delete data peserta
                  if(pilihan == 1){
                      System.out.print( :: "\t\tInput nomor data yang ingin dihapus » ");
    504
4
    505
                      int indexDel = Integer.parseInt( s: bfr.readLine());
    506
                      peserta.remove(indexDel-1);
    507
                      jdl.newLine();
    508
                                                                                                          509
                      jdl.berhasil();
                      jdl.newLine();
    510
                                                                                                          =
    511
    512
                  // delete data pemenang
    513
                  } else if (pilihan == 2) {
    514
                      System.out.print( s: "\t\tInput nomor data yang ingin dihapus » ");
                                                                                                          =
    515
                      int indexDel = Integer.parseInt(s:bfr.readLine());
                      pemenang.remove(indexDel-1);
    516
    517
                     jdl.newLine();
    518
                      jdl.berhasil();
    519
    520
                      jdl.newLine();
    521
    522
                  // delete data finalis
                                                                                                          } else if (pilihan == 3){
    523
    524
                      System.out.print( s: "\t\tInput nomor data yang ingin dihapus » ");
                      int indexDel = Integer.parseInt(s:bfr.readLine());
    525
    526
                      finalis.remove(indexDel-1);
                                                                                                          527
    528
                      jdl.newLine();
    529
                      jdl.berhasil();
    530
                      jdl.newLine();
    531
    532
                  } else {
                      jdl.newLine();
    533
    534
                      idl.nonMenu():
    535
                      jdl.newLine();
                                                                                                          536
    537
    538
    539
```

Screenshot file DataPeserta.java

```
<> ∨ □
Services
   4
                                                                                            //POSTTEST 3 PBO
靐
         //Nama : Natalie Fuad
//NIM : 2109106040
    4
                    : INFORMATIKA A2'21
//Kelas
Files
         package PBO.POSTTEST3;
0
         public class DataPeserta {
    10
           private int nomorPeserta;
11
            private String nama;
    12
            private int angkatan;
Projects
           private int kelas;
    13
    14
            private String lomba;
            private String asalInstansi;
   15
6
    16
   17
            public DataPeserta(int nomorPeserta, String nama, int angkatan, int kelas, String lomba, S
                this.nomorPeserta = nomorPeserta;
   18
                this.nama = nama:
   19
   20
                this.angkatan = angkatan;
   21
               this.kelas = kelas:
   22
                this.lomba = lomba:
   23
                this.asalInstansi = asalInstansi;
   24
   25
   26
      曱
            public int getNomorPeserta() {
    27
               return nomorPeserta;
   28
   29
            public void setNomorPeserta(int nomorPeserta) {
   30
               this.nomorPeserta = nomorPeserta;
   31
   32
   33
      曱
            public String getNama() {
   34
   35
               return nama;
   36
   37
      38
            public void setNama(String nama) {
   39
              this.nama = nama;
    40
    41
    42
       曱
            public int getAngkatan() {
    43
               return angkatan;
    44
    45
       阜
    46
            public void setAngkatan(int angkatan) {
    47
              this.angkatan = angkatan;
    48
    49
      阜
            public int getKelas() {
   50
   51
               return kelas;
   52
   53
    54
      曱
            public void setKelas(int kelas) {
    55
               this.kelas = kelas;
    56
    57
    58
      曱
            public String getLomba() {
    59
               return lomba;
    60
    61
       曱
            public void setLomba(String lomba) {
    0
               this.lomba = lomba;
    63
    64
    65
      曱
            public String getAsalInstansi() {
    66
    67
               return asalInstansi;
    68
    69
      曱
    70
            public void setAsalInstansi(String asalInstansi) {
    71
               this.asalInstansi = asalInstansi;
    72
    73
    74
   № PBO.POSTTEST3.DataPeserta > ○ setLomba >
             PosttestPBO (run) #6 running_ × (5 more...) 62:34 INS Windows (CRLF)
```

Screenshoot file DataPemenang.java

```
v 🗆
Services
   ÷
                                                                                               //POSTTEST 3 PBO
显
                  : Natalie Fuad
         //Nama
         //NIM
                     : 2109106040
                 : INFORMATIKA A2'21
//Kelas
Files
         package PBO.POSTTEST3;
public class DataPemenang extends DataPeserta{
   10
            private String kategoriJuara;
11
            private int peringkat;
   12
Projects
             public DataPemenang(int nomorPeserta, String nama, int angkatan, int kelas,
   13
                              String lomba, String asalInstansi, String kategoriJuara, int peringkat)
   14 📮
                super(nomorPeserta, nama, angkatan, kelas, lomba, asalInstansi);
   15
4
   16
                this.kategoriJuara = kategoriJuara;
   17
                this.peringkat = peringkat;
   18
   19
   20 📮
             public String getKategoriJuara() {
   21
               return kategoriJuara;
   22
   23
   24 📮
             public void setKategoriJuara(String kategoriJuara) {
   25
                this.kategoriJuara = kategoriJuara;
   26
   27
   28 📮
             public int getPeringkat() {
   29
                return peringkat;
   30
   31
   32 □
             public void setPeringkat(int peringkat) {
   33
               this.peringkat = peringkat;
   34
   35
         1
   36
         class DataFinalis extends DataPeserta{
   37
   38
            private String tingkatBabak;
   39
   40
             public DataFinalis(int nomorPeserta, String nama, int angkatan, int kelas,
   41 📮
                             String lomba, String asalInstansi, String tingkatBabak) {
                super(nomorPeserta, nama, angkatan, kelas, lomba, asalInstansi);
   42
                this.tingkatBabak = tingkatBabak;
   43
   44
   45
   46 📮
             public String getTingkatBabak() {
   47
                return tingkatBabak;
   48
   49
             public void setTingkatBabak(String tingkatBabak) {
   50
                this.tingkatBabak = tingkatBabak;
   51
   52
   53
   54
```

Screenshot file JudulPosttest.java

```
🙀 PosttestTiga.java 🗴 🙆 DataPemenang.java 🗴 🙆 DataPeserta.java 🗴 🙆 JudulPosttest.java 🗴
   Source History 🖟 🖟 🔻 - 🔍 🗫 🖓 🖶 📮 🔓 🚱 😂 💇 💇 🗶 🔲 🕌 📑
Services
                                                                                         4
                                                                                         //POSTTEST 3 PBO
靐
         //Nama : Natalie Fuad
//NIM : 2109106040
//Kelas : INFORMATIKA A2'21
     3
5
Files
         package PBO.POSTTEST3;
public class JudulPosttest {
            void judul(){
₽
    11
                System.out.println(x:"\t\t SISTEM PENDATAAN PESERTA LOMBA");
    12
Projects
                System.out.println(x:"\t \\ = = = = = = = = = = = = = = \\ ");
    13
    14
    15
       豆
            void menu() {
    16
                System.out.println(x:"\n\t\t=======");
    17
                System.out.println(x:"\t\t MENU");
    18
                System.out.println(x:"\t\t======"");
    19
    20
    21
    22
             void menuData() {
                System.out.println(x:"\t\t: 1 : Data Peserta");
System.out.println(x:"\t\t: 2 : Data Pemenang");
    23
    24
    25
                System.out.println(x:"\t\t: 3 : Data Finalis");
                System.out.println(x:"\t\t-----
    26
                System.out.print( s: "\t\tMasukkan pilihan anda » ");
    27
    28
    29
    30
             void menuAdd(){
                System.out.println(x:"\n\t\t=========
    31
                System.out.println(x:"\t\t MENU ADD DATA");
    32
                System.out.println(x:"\t\t=========
    33
                                                                                         34
    35
       36
             void menuRead() {
    37
               MENU READ DATA");
    38
                System.out.println(x:"\t\t
    39
                System.out.println(x:"\t\t===========
    40
    41
             void menuUpdate() {
    42
    43
                System.out.println(x: "\n\t\t====
                System.out.println(x:"\t\t MENU UPDATE DATA");
    44
                System.out.println(x:"\t\t=====
    45
    46
    47
       豆
             void menuDelete() {
    48
               System.out.println(x:"\n\t\t======"");
    49
                System.out.println(x:"\t\t MENU DELETE DATA");
    50
                System.out.println(x:"\t\t=======
    51
    52
    53
    54
       曱
             void menuAddPeserta() {
    55
              System.out.println(x:"\n\t\t=============
                System.out.println(x:"\t\t ADD DATA PESERTA");
    56
                System.out.println(x:"\t\t======
    57
    58
    59
             void menuAddPemenang() {
    60
                System.out.println(x:"\n\t\t====
    61
                System.out.println(x:"\t\t ADD DATA PEMENANG");
    62
                System.out.println(x:"\t\t======\n");
    63
    64
    65
       豆
    66
             void menuAddFinalis(){
    67
               System.out.println(x:"\n\t\t======"");
                System.out.println(x:"\t\t ADD DATA FINALIS");
    68
    69
                70
    71
    72
             void menuReadPeserta() {
    73
                System.out.println(x: "\n\t\t=====
                System.out.println( -- "\t\t.
                                         READ DATA PESERTA"):
   숨 PBO.POSTTEST3.JudulPosttest 》 🖶 nonMenu 🔊
              PosttestPBO (run) #6 running_ × (5 more...) 139:20 INS Windows (CRLF)
```

```
PosttestTiga.java × 🔊 DataPemenang.java × 🚳 DataPeserta.java × 🚳 JudulPosttest.java ×
Services
   Source History | 🔀 🖟 🔻 🔻 💆 🧖 🖰 🔯 | ዯ 😓 | 😉 💇 | ● 🖂 | 😃 🚅
                                                                                         4
                                                                                          72 F
             void menuReadPeserta() {
暴
    73
                System.out.println(x:"\n\t\t=====
                System.out.println(x:"\t\t
                                           READ DATA PESERTA");
    75
                System.out.println(x:"\t\t=====
П
    76
iles
    78 📮
             void menuReadPemenang() {
System.out.println(x:"\n\t\t===
    79
                System.out.println(x:"\t\t READ DATA PEMENANG");
    80
    81
                System.out.println(x:"\t\t===========
82
    83
Projects
             void menuReadFinalis(){
     <u>Q.</u>
                System.out.println(x:"\n\t\t=======
    85
                System.out.println(x:"\t\t READ DATA FINALIS");
    86
                System.out.println(x:"\t\t======\n");
    87
    88
             void menuUpdatePeserta() {
                System.out.println(x:"\n\t\t====
    91
                System.out.println(x:"\t\t UPDATE DATA PESERTA");
    92
                System.out.println(x:"\t\t=====
    93
    94
    95
       曱
             void menuUpdatePemenang() {
                System.out.println(x:"\n\t\t======"");
                System.out.println(x:"\t\t UPDATE DATA PEMENANG");
    98
                System.out.println(x:"\t\t====
                                                                ==\n");
    99
   100
   101
                                                                                         void menuUpdateFinalis() {
                System.out.println(x:"\n\t\t====
   103
                System.out.println(x:"\t\t UPDATE DATA FINALIS");
   104
                System.out.println(x:"\t\t=====
   105
   106
   107
             void menuDeletePeserta() {
                System.out.println(x:"\n\t\t======"");
   109
                System.out.println(x:"\t\t DELETE DATA PESERTA");
   110
   111
                112
   113
             void menuDeletePemenang() {
                115
                System.out.println(x:"\t\t DELETE DATA PEMENANG");
   116
                System.out.println(x:"\t\t======\n");
   117
   118
   119
             void menuDeleteFinalis(){
                System.out.println(x: "\n\t\t====
   121
                                                                                         Ħ
   122
                System.out.println(x:"\t\t DELETE DATA FINALIS");
                System.out.println(x:"\t\t=====
   123
                                                               ===\n");
   124
   125
   126
             void menuExit() {
                System.out.println(x:"\n\t\t
   127
                System.out.println(x:"\t\t\t ! BYE BYE !");
   128
                System.out.println(x:"\n\t\t\ ($\circ_\circ)");
   129
                System.out.println(x:"\t\t
   130
                                               131
   132
   133 📮
             void berhasil(){
   134
                System.out.println(x:"\t\t
                                          ! PROSES BERHASIL !");
   135
   136
                System.out.println(x:"\t\t=====
   137
   138
   139 🗏
             void nonMenu() {
                System.out.println(x:"\n\t\t\t
   140
                                                    ....\n"):
                System.out.println(x:"\t\t ! PILIHAN TIDAK TERSEDIA !");
   141
   142
                System.out.println(x:"\n\t\t\t .....");
   143
   144
```