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Kelas: Informatika C'21 C'1

## **POSTTEST 3**

## FILE MENU:

```
package posttest3;
import java.io.IOException;
import java.util.ArrayList;
import java.io.IOException;
import java.util.Scanner;
public class menu {
 static String option, admin;
 static Scanner input = new Scanner(System.in);
 static Jersey Jry = new Jersey();//OBJEK
 static ArrayList<Jersey> JryList;//ARRAYLIST
 static TokoSepatu TS = new TokoSepatu();//OBJEK
 static ArrayList<TokoSepatu> TSList;//ARRAYLIST
 public static void menu () throws IOException{
   Boolean ulang, ulang 2;
);
   System.out.println("|
                           SELAMAT DATANG DI WEBSITE JERSEY
                                                               |");
);
   ulang = true;
   while (ulang) {
     menuPertama();
     switch (option) {
      case "1":
      ulang2=true;
      while(ulang2){
      menuKedua();
        switch (admin){
          case "1":
           Jry.tambahJersey();
```

```
break;
    case "2":
      Jry.tampiljersey();
      break;
    case "3":
      Jry.ubahJersey(JryList);
      break;
    case "4":
      Jry.hapusJersey();
      break;
    case "5":
      ulang2=false;
      break;
    case "6":
      System.err.println("\n!! Anda Telah Keluar dari Program !!\n");
      System.exit(0);
    default:
      System.err.println("\n!! Pilihan Tidak Tersedia !!\n");
      break;
  }
}
break;
case "2":
ulang2=true;
while(ulang2){
menuKetiga();
  switch (admin){
    case "1":
      TS.tambahSepatu();
      break;
    case "2":
      TS.tampilSepatu();
      break;
    case "3":
      TS.ubahSepatu(TSList);
      break;
    case "4":
      TS.hapusBarang();
      break;
    case "5":
      ulang2=false;
      break;
    case "6":
      System.err.println("\n!! Anda Telah Keluar dari Program !!\n");
      System.exit(0);
    default:
      System.err.println("\n!! Pilihan Tidak Tersedia !!\n");
      break;
```

```
}
    break;
    case "3":
      System.err.println("\n!! Anda Telah Keluar dari Program !!\n");
      System.exit(0);
    default:
    System.err.println("\n!! Pilihan Tidak Tersedia !!\n");
   }
 }
}
public static String menuKedua (){
 System.out.println();
 System.out.println("\t|==========|");
 System.out.println("\t|
                       PROGRAM PENDATAAN JERSEY
                                                  |");
 System.out.println("\t|
                         PILIH MENU
 System.out.println("\t|=========|");
                                     |");
 System.out.println("\t|
 System.out.println("\t|
                        1. TAMBAH DATA JERSEY
                                               |");
 System.out.println("\t|
                        2. TAMPIL DATA JERSEY
                                              |");
 System.out.println("\t|
                        3. UBAH DATA JERSEY
                                             |");
 System.out.println("\t|
                                             |");
                        4. DELETE DATA JERSEY
                                                |");
 System.out.println("\t|
                        5. KEMBALI KE MENU AWAL
 System.out.println("\t|
                        6. EXIT PROGRAM
                                            |");
 System.out.println("\t|=========|");
 System.out.print("Masukan Pilihan menu : ");
 admin = input.nextLine();
 return admin;
}
public static String menuKetiga (){
 System.out.println();
 System.out.println("\t| PROGRAM PENDATAAN TOKO JERSEY
 System.out.println("\t|=========|");
 System.out.println("\t|=========|");
 System.out.println("\t|
                        TOKO SEPATU
 System.out.println("\t|=========|");
 System.out.println("\t|
                         PILIH MENU
                                          |");
 System.out.println("\t|=========|");
                                     |");
 System.out.println("\t|
                        1. TAMBAH DATA SEPATU
                                               |");
 System.out.println("\t|
                                              |");
 System.out.println("\t|
                        2. TAMPIL DATA SEPATU
 System.out.println("\t|
                        3. UBAH DATA SEPATU
                                              |");
 System.out.println("\t|
                        4. DELETE DATA SEPATU
                                              |");
```

```
System.out.println("\t|
                        5. KEMBALI KE MENU AWAL
                                                 |");
 System.out.println("\t|
                        6. EXIT PROGRAM
                                            |");
 System.out.print("Masukan Pilihan menu: ");
 admin = input.nextLine();
 return admin;
}
public static String menuPertama (){
System.out.println();
System.out.println("\t|=========|");
System.out.println("\t| PROGRAM PENDATAAN JESEY
                                                 |");
System.out.println("\t|=========|");
System.out.println("\t|
                                          |");
                       PILIH MENU
System.out.println("\t|=========|");
System.out.println("\t|
                                     |");
System.out.println("\t|
                     1. TOKO BAJU
                                          |");
System.out.println("\t|
                     2. TOKO SEPATU
                                           |");
                     3. EXIT PROGRAM
System.out.println("\t|
System.out.println("\t|=========|");
System.out.print("Masukan Pilihan menu: ");
option = input.nextLine();
return option;
}
public static void main(String[] args) throws IOException {
 menu();
}
```

```
package posttest3;
import java.util.ArrayList;
import java.io.BufferedReader;
import java.io.IOException;
import java.io.InputStreamReader;
import java.util.Scanner;
public class Jersey extends TokoBaju {
  private final String kodeJry = "Jry";
  private long noKodeJry;
  Jersey(String namaJry, String ukuran, int stokAwal, int stokMasuk, int stokKeluar, int hargaBeli, int
hargaJual, long noKodeJry){
    super(namaJry,ukuran,stokAwal,stokMasuk,stokKeluar,hargaBeli,hargaJual,noKodeJry);
  }
 Jersey() {
    //UNTUK MENGATASI EROR DI MAIN
 Jersey Jry;
  ArrayList<Jersey> JryList = new ArrayList<>();
  InputStreamReader isr = new InputStreamReader (System.in);
  BufferedReader br = new BufferedReader(isr);
  Scanner inp = new Scanner(System.in);
  Scanner inputInt = new Scanner(System.in);
  protected void tambahJersey () throws IOException{
    boolean ulang=true;
    System.out.println("\t|==========|");
                                TAMBAH JERSEY
                                                           |");
    System.out.println("\t|
    System.out.println("\t|=========|");
    System.out.print("Nama Jersey : ");
    namaJry = inp.nextLine();
    System.out.print("ukuran : ");
    ukuran = inp.nextLine();
    System.out.print("Stok Awal : ");
    stokAwal = Integer.parseInt(br.readLine());
    System.out.print("Stok Masuk : ");
    stokMasuk = Integer.parseInt(br.readLine());
    System.out.print("Stok Keluar : ");
    stokKeluar = Integer.parseInt(br.readLine());
    while(ulang){
```

```
System.out.print("Harga Beli Jersey [ukuran]: ");
      String strHargaBeli=inp.nextLine();
      System.out.print("Harga Jual Jersey [ukuran]:");
      String strHargaJual=inp.nextLine();
      if (strHargaJual.equals("0")){
        System.err.println("Data Ini Tidak Boleh Bernilai 0");
      }else if(strHargaBeli.equals("0")){
        System.err.println("Data Ini Tidak Boleh Bernilai 0");
      }
     else{
       try{
          hargaBeli = (Integer.parseInt(strHargaBeli));
          hargaJual = (Integer.parseInt(strHargaJual));
          noKodeJry++;
          System.out.println("No Kode Jersey: " + kodeJry + noKodeJry);
         Jry = new Jersey(namaJry, ukuran, stokAwal, stokMasuk, stokKeluar, hargaBeli, hargaJual,
noKodeJry); // OBJEK ke - 1
         JryList.add(Jry);
          System.out.println("\n>> Tambah Data Jersey Berhasil <<");
          ulang=false;
        }catch(NumberFormatException e){
          System.err.println("Data Yang anda masukkan tidak sesuai");
     }
   }
 }
 protected void tampiljersey(){
    System.out.println("\t|==========|");
    System.out.println("\t|
                           TAMPIL BARANG JERSEY
    System.out.println("\t|==========|");
    for (int i=0; i<JryList.size(); i++){
System.out.println("|=============|");
      System.out.println("\tNo Kode Jersey: " + kodeJry + JryList.get(i).getnoKodeJry());
      System.out.println("\tNama Jersey : " + JryList.get(i).getnamaJry());
      System.out.println("\tJenis ukuran : " + JryList.get(i).getukuran());
      System.out.println("\tStok Awal : " + JryList.get(i).getStokAwal());
      System.out.println("\tStok Masuk: " + JryList.get(i).getStokMasuk());
      System.out.println("\tStok Keluar : " + JryList.get(i).getStokKeluar());
      System.out.println("\tStok Akhir: " + (JryList.get(i).getStokAwal()+JryList.get(i).getStokMasuk()-
JryList.get(i).getStokKeluar()));
      System.out.println("\tHarga Beli Jersey [ukuran] : Rp" + JryList.get(i).hargaBeli);
      System.out.println("\tHarga Jual Jersey [ukuran] : Rp" + JryList.get(i).hargaJual);
System.out.println("|==============|");
     System.out.println(" ");
```

```
public ArrayList<Jersey> ubahJersey(ArrayList<Jersey> Jrylist) throws IOException {
    int ubah;
    System.out.println("\t|========|");
    System.out.println("\t|
                                   UBAH JERSEY
    System.out.println("\t|==========|");
    for (int i=0; i<JryList.size(); i++){</pre>
      System.out.println("No Kode Jersey: " + kodeJry +
      JryList.get(i).getnoKodeJry());
      System.out.println("Nama Jersey: " + JryList.get(i).getnamaJry());
      System.out.println(" ");
    }
    if (JryList.size() == 1){
      ubah = 0;
   } else {
      System.out.print("\nInput No Kode untuk Mengubah Data [Input Angka Saja]:");
      ubah = inputInt.nextInt();
      ubah--;
    System.out.print("\nUbah Nama Jersey: ");
//
     JryList.get(ubah).namaJry = (inp.nextLine());
    JryList.get(ubah).setnamaJry(br.readLine());
    System.out.print("Ubah Jenis ukuran : ");
    JryList.get(ubah).setukuran(br.readLine());
    System.out.print("Ubah Stok Awal: ");
   JryList.get(ubah).setStokAwal(Integer.parseInt(br.readLine()));
    System.out.print("Ubah Stok Masuk: ");
    JryList.get(ubah).setStokMasuk(Integer.parseInt(br.readLine()));
    System.out.print("Ubah Stok Keluar : ");
    JryList.get(ubah).setStokKeluar(Integer.parseInt(br.readLine()));
    System.out.print("Ubah Harga Beli Jersey [ukuran]: ");
    JryList.get(ubah).setHargaBeli(Integer.parseInt(br.readLine()));
    System.out.print("Ubah Harga Jual Jersey [ukuran]: ");
   JryList.get(ubah).setHargaJual(Integer.parseInt(br.readLine()));
    System.out.println("\n>> Data Jersey Berhasil Di Ubah <<\n");
    return JryList;
 }
  public void hapusJersey() {
    System.out.println("\t|=========|");
    System.out.println("\t|
                                                         |");
                           HAPUS JERSEY
    System.out.println("\t|==========|");
    for (int i=0; i<JryList.size(); i++){</pre>
      System.out.println("No Kode Jersey: " + kodeJry +
      JryList.get(i).getnoKodeJry());
      System.out.println("Nama Jersey : " + JryList.get(i).getnamaJry());
```

```
System.out.println(" ");
}
int hapus;
System.out.print("\nMasukan No Kode untuk Hapus Jersey [Input Angka Belakang] : ");
hapus = inputInt.nextInt();
hapus--;
JryList.remove(hapus);
System.out.println("\n>> Data Jersey Berhasil di Hapus <<\n");
}
```

## **FILE TOKOSEPATU**

```
package posttest3;
import java.util.ArrayList;
import java.io.BufferedReader;
import java.io.IOException;
import java.io.InputStreamReader;
import java.util.Scanner;
public class TokoSepatu extends TokoBaju {
  private final String kodeTS = "TS";
  private long noKodeTS;
  TokoSepatu(String namaJry, String ukuran, int stokAwal, int stokMasuk, int stokKeluar, int hargaBeli,
int hargaJual, long noKodeJry){
    super(namaJry,ukuran,stokAwal,stokMasuk,stokKeluar,hargaBeli,hargaJual,noKodeJry);
  }
  TokoSepatu() {
    //UNTUK MENGATASI EROR DI MAIN
  TokoSepatu TS;
  ArrayList<TokoSepatu> TSList = new ArrayList<>();
  InputStreamReader isr = new InputStreamReader (System.in);
  BufferedReader br = new BufferedReader(isr);
  Scanner inp = new Scanner(System.in);
  Scanner inputInt = new Scanner(System.in);
  protected void tambahSepatu () throws IOException{
```

```
boolean ulang=true;
   System.out.println("\t|
                             TAMBAH DATA SEPATU
   System.out.print("Nama Sepatu : ");
   namaJry = inp.nextLine();
   System.out.print("ukuran : ");
   ukuran = inp.nextLine();
   System.out.print("Stok Awal : ");
   stokAwal = Integer.parseInt(br.readLine());
   System.out.print("Stok Masuk : ");
   stokMasuk = Integer.parseInt(br.readLine());
   System.out.print("Stok Keluar : ");
   stokKeluar = Integer.parseInt(br.readLine());
   while(ulang){
     System.out.print("Harga Beli Sepatu [ukuran]:");
     String strHargaBeli=inp.nextLine();
     System.out.print("Harga Jual Sepatu [ukuran]:");
     String strHargaJual=inp.nextLine();
     if (strHargaJual.equals("0")){
       System.err.println("Data Ini Tidak Boleh Bernilai 0");
     }else if(strHargaBeli.equals("0")){
       System.err.println("Data Ini Tidak Boleh Bernilai 0");
     }
     else{
       try{
         hargaBeli = (Integer.parseInt(strHargaBeli));
         hargaJual = (Integer.parseInt(strHargaJual));
         noKodeJry++;
         System.out.println("No Kode Sepatu : " + kodeTS + noKodeTS);
         TS = new TokoSepatu(namaJry, ukuran, stokAwal, stokMasuk, stokKeluar, hargaBeli,
hargaJual, noKodeJry); // OBJEK ke - 1
        TSList.add(TS);
         System.out.println("\n>> Tambah Data Sepatu Berhasil <<");
         ulang=false;
       }catch(NumberFormatException e){
         System.err.println("Data Yang anda masukkan tidak sesuai");
       }
     }
   }
 }
 protected void tampilSepatu(){
   System.out.println("\t|==========|");
   System.out.println("\t|
                             TAMPIL DATA SEPATU
                                                       |");
   for (int i=0; i<TSList.size(); i++){
```

```
System.out.println("|=============|");
     System.out.println("\tNo Kode Sepatu: " + kodeTS + TSList.get(i).getnoKodeJry());
     System.out.println("\tNama Sepatu: " + TSList.get(i).getnamaJry());
     System.out.println("\tJenis ukuran : " + TSList.get(i).getukuran());
     System.out.println("\tStok Awal : " + TSList.get(i).getStokAwal());
     System.out.println("\tStok Masuk: " + TSList.get(i).getStokMasuk());
     System.out.println("\tStok Keluar: " + TSList.get(i).getStokKeluar());
     System.out.println("\tStok Akhir: " + (TSList.get(i).getStokAwal()+TSList.get(i).getStokMasuk()-
TSList.get(i).getStokKeluar()));
     System.out.println("\tHarga Beli Sepatu [ukuran] : Rp" + TSList.get(i).hargaBeli);
     System.out.println("\tHarga Jual Sepatu [ukuran]: Rp" + TSList.get(i).hargaJual);
System.out.println(" ");
   }
 }
  public ArrayList<TokoSepatu> ubahSepatu(ArrayList<TokoSepatu> Jrylist) throws IOException {
   System.out.println("\t|=========|");
   System.out.println("\t| UBAH DATA Sepatu
   for (int i=0; i<TSList.size(); i++){
     System.out.println("No Kode Barang: " + kodeTS +
     TSList.get(i).getnoKodeJry());
     System.out.println("Nama Sepatu : " + TSList.get(i).getnamaJry());
     System.out.println(" ");
   if (TSList.size() == 1){
     ubah = 0;
   } else {
     System.out.print("\nInput No Kode untuk Mengubah Data [Input Angka Saja]: ");
     ubah = inputInt.nextInt();
     ubah--;
   System.out.print("\nUbah Nama Sepatu : ");
     TSList.get(ubah).namaJry = (inp.nextLine());
   TSList.get(ubah).setnamaJry(br.readLine());
   System.out.print("Ubah Jenis ukuran: ");
   TSList.get(ubah).setukuran(br.readLine());
   System.out.print("Ubah Stok Awal: ");
   TSList.get(ubah).setStokAwal(Integer.parseInt(br.readLine()));
   System.out.print("Ubah Stok Masuk : ");
   TSList.get(ubah).setStokMasuk(Integer.parseInt(br.readLine()));
    System.out.print("Ubah Stok Keluar : ");
   TSList.get(ubah).setStokKeluar(Integer.parseInt(br.readLine()));
   System.out.print("Ubah Harga Beli Sepatu [ukuran]: ");
```

```
TSList.get(ubah).setHargaBeli(Integer.parseInt(br.readLine()));
 System.out.print("Ubah Harga Jual Sepatu [ukuran] : ");
 TSList.get(ubah).setHargaJual(Integer.parseInt(br.readLine()));
 System.out.println("\n>> Data Sepatu Berhasil Di Ubah <<\n");
 return TSList;
}
public void hapusBarang() {
 System.out.println("\t|
                      HAPUS DATA SEPATU
 for (int i=0; i<TSList.size(); i++){
   System.out.println("No Kode Sepatu: " + kodeTS +
   TSList.get(i).getnoKodeJry());
   System.out.println("Nama Sepatu : " + TSList.get(i).getnamaJry());
   System.out.println(" ");
 }
 int hapus;
 System.out.print("\nMasukan No Kode untuk Hapus Data Sepatu [Input Angka Belakang]: ");
 hapus = inputInt.nextInt();
 hapus--;
 TSList.remove(hapus);
 System.out.println("\n>> Data Sepatu Berhasil di Hapus <<\n");
}
```

## OUTPUT:































