

Nama : wina aulia nugrasari

NIM : 2109106118

Kelas : Informatika C'21

## POSTTEST 4

### Posttest4.java

```
package com.mycompany.posttest4;

import java.io.BufferedReader;
import java.io.InputStreamReader;
import java.io.IOException;
import java.util.ArrayList;

public class Posttest4 {
    static BufferedReader input = new BufferedReader(new InputStreamReader(System.in));
    static ArrayList <festival> dataftv = new ArrayList<>();
    static ArrayList <user> datausr = new ArrayList<>();

    public static void froze() throws IOException {
        System.out.print("Tekan enter untuk melanjutkan... ");
        input.readLine();
        System.out.println("");
    }

    public static void tambahdata() throws IOException {
        System.out.println("-----");
        System.out.println("--    Tambah Pesanan    --");
        System.out.println("-----");
        System.out.println("|    1. Data Festival    |");
        System.out.println("|    2. Data User       |");
        System.out.println("-----");
        System.out.print("Pilih Menu : ");
        int pil = Integer.parseInt(input.readLine());
        if(pil == 1){
            System.out.println("===== Masukkan Data Festival =====");
            System.out.print("Masukkan Nomor Booking          : ");
            int booking = Integer.parseInt(input.readLine());
            System.out.print("Masukkan Nama Festival          : ");
            String nama = input.readLine();
            System.out.print("Masukkan Nama Artis : ");
            String artis = input.readLine();
            System.out.print("Masukkan Kouta Tiket          : ");
            String tiket = input.readLine();

            System.out.println("=====");
            dataftv.add(new festival(nama, booking, artis, tiket));
            System.out.println("Data " + nama + " berhasil ditambahkan!");
        }
    }
}
```

```

    }else if(pil == 2){
        System.out.println("===== Masukkan Data User =====");
        System.out.print("Masukkan Nomor Booking          : ");
        int boking = Integer.parseInt(input.readLine());
        System.out.print("Masukkan Nama              : ");
        String artis = input.readLine();
        System.out.print("Masukkan Nama Festival : ");
        String nama = input.readLine();
        System.out.print("Masukkan Jumlah Tiket          : ");
        String tiket = input.readLine();

        System.out.println("=====");
        datausr.add(new user(nama, artis, tiket, boking));

    }else{
        System.out.println("Pilihan Salah");
    }
}

public static void tampil() throws IOException{
    System.out.println("-----");
    System.out.println("--      Read Pesanan      --");
    System.out.println("-----");
    System.out.println("|    1. Data Festival    |");
    System.out.println("|    2. Data User       |");
    System.out.println("-----");
    System.out.print("Pilih Menu: ");
    int pil = Integer.parseInt(input.readLine());
    if(pil == 1){
        System.out.println("\n===== List Data Festival =====");
        if (dataftv.isEmpty()){
            System.out.println("Belum ada data yang tersimpan!");
        }else{
            for(int i = 0; i < dataftv.size();i++){
                System.out.println("Data indeks ke-" + (i + 1));
                dataftv.get(i).tampil();
            }
        }
    }

    System.out.println("=====");
    }else if(pil == 2){
        System.out.println("\n===== List Data User =====");
        if (datausr.isEmpty()){
            System.out.println("Belum ada data yang tersimpan!");
        }else{
            for(int i = 0; i < datausr.size();i++){
                System.out.println("Data indeks ke-" + (i + 1));
                datausr.get(i).tampil();
            }
        }
    }
}

```

```

        System.out.println("=====");
    }else{
        System.out.println("Pilihan salah");

    }
}

public static void ubahdata() throws IOException{
    System.out.println("-----");
    System.out.println("--    Ubah Pesanan    --");
    System.out.println("-----");
    System.out.println("|    1. Data Festival    |");
    System.out.println("|    2. Data User      |");
    System.out.println("-----");
    System.out.print("Pilih Data: ");
    int pil = Integer.parseInt(input.readLine());
    if(pil == 1){
        if (dataftv.isEmpty()) {

System.out.println("\n=====
");
            System.out.println("Belum ada data yang tersimpan!");

System.out.println("=====")
;
            } else {
                for(int i = 0; i < dataftv.size();i++){

System.out.println("=====")
;
                    System.out.println("Data indeks ke-" + (i));
                    System.out.println("Nomor Booking  :" + dataftv.get(i).getBoking());
                    System.out.println("Nama Festival   :" + dataftv.get(i).getNama());
                    System.out.println("Nama Artis     :" + dataftv.get(i).getArtis());
                    System.out.println("Kouta Tiket    :" + dataftv.get(i).getTiket());

System.out.println("=====")
;
                        }
                    }
                System.out.print("Masukkan indeks data festival yang ingin diubah: ");
                int index = Integer.parseInt(input.readLine());
                index -=1;
                if (index < 0 || index >= dataftv.size()) {
                    System.out.println("Indeks tidak ditemukan!");
                } else {
                    festival ftv = dataftv.get(index);
                    System.out.println("Data festival dengan indeks " + index+1);

```

```

        System.out.println("===== Masukkan data festival yang baru =====");
        System.out.print("Masukkan Nomor booking          : ");
        ftv.setBoking(Integer.parseInt(input.readLine()));
        System.out.print("Masukkan Nama festival          : ");
        ftv.setNama(input.readLine());
        System.out.print("Masukkan artis: ");
        ftv.setArtis(input.readLine());
        System.out.print("Masukkan kouta booking      : ");
        ftv.setTiket(input.readLine());

System.out.println("=====")
;
        System.out.println("Data festival berhasil diubah!");
    }
}
else if(pil == 2){
    if (datausr.isEmpty()) {

System.out.println("\n=====
");
        System.out.println("Belum ada data yang tersimpan!");

System.out.println("=====")
;
        } else {
            for(int i = 0; i < datausr.size();i++){

System.out.println("=====")
;
                System.out.println("Data indeks ke-" + (i + 1));
                System.out.println("Nomor Booking  :" + datausr.get(i).getBoking());
                System.out.println("Nama          :" + datausr.get(i).getArtis());
                System.out.println("Nama Festival  :" + datausr.get(i).getNama());
                System.out.println("Jumlah Tiket   :" + datausr.get(i).getTiket());

System.out.println("=====")
;
            }
        }

        System.out.print("Masukkan indeks data user yang ingin diubah: ");
        int index = Integer.parseInt(input.readLine());
        index -=1;
        if (index < 0 || index >= datausr.size()) {
            System.out.println("Indeks tidak ditemukan!");
        } else {
            user usr = datausr.get(index);
            System.out.println("Data dosen dengan indeks " + index + 1);
            System.out.println("===== Masukkan data user yang baru =====");
            System.out.print("Masukkan Nomor booking          : ");

```

```

        usr.setBoking(Integer.parseInt(input.readLine()));
        System.out.print("Masukkan Nama          : ");
        usr.setArtis(input.readLine());
        System.out.print("Masukkan nama festival : ");
        usr.setNama(input.readLine());
        System.out.print("Masukkan Jumlah tiket      : ");
        usr.setTiket(input.readLine());

System.out.println("=====");
        System.out.println("Data user berhasil diubah!");
    }
}
else{
    System.out.println("Input Salah");
}
}

public static void hapus() throws IOException{
    System.out.println("-----");
    System.out.println("--    Delete Pesanan    --");
    System.out.println("-----");
    System.out.println("|    1. Data Festival    |");
    System.out.println("|    2. Data User        |");
    System.out.println("-----");
    System.out.print("Pilih Data: ");
    int pil = Integer.parseInt(input.readLine());
    if(pil == 1){
        if (dataftv.isEmpty()) {

System.out.println("\n=====
");
            System.out.println("Belum ada data yang tersimpan!");

System.out.println("=====
");
;
        } else {
            for(int i = 0; i < dataftv.size();i++){
                System.out.println("=====");
                System.out.println("Data indeks ke-" + (i + 1));
                System.out.println("Nomor Booking   :" + dataftv.get(i).getBoking());
                System.out.println("Nama Festival   :" + dataftv.get(i).getNama());
                System.out.println("Nama Artis      :" + dataftv.get(i).getArtis());
                System.out.println("Kouta Tiket     :" + dataftv.get(i).getTiket());
                System.out.println("=====");
            }
        }
        System.out.print("Masukkan indeks data festival yang ingin dihapus: ");
        int index = Integer.parseInt(input.readLine());
        index -=1;
        if (index < 0 || index >= dataftv.size()) {

```

```

        System.out.println("Indeks tidak ditemukan!");
    } else {
        festival ftv = dataftv.get(index);
        dataftv.remove(index);
        System.out.println("Data festival dengan indeks " + index + " berhasil
dihapus:");
    }
}

else if(pil == 2){
    if (datausr.isEmpty()) {

System.out.println("\n=====
");
        System.out.println("Belum ada data yang tersimpan!");

System.out.println("=====")
;
        } else {
            for(int i = 0; i < datausr.size();i++){
                System.out.println("=====");
                System.out.println("Data indeks ke-" + (i));
                System.out.println("Nomor Booking  :" + datausr.get(i).getBoking());
                System.out.println("Nama          :" + datausr.get(i).getArtis());
                System.out.println("Nama Festival  :" + datausr.get(i).getNama());
                System.out.println("Jumlah Tiket   :" + datausr.get(i).getTiket());
                System.out.println("=====");
            }
            System.out.print("Masukkan indeks data user yang ingin dihapus: ");
            int index = Integer.parseInt(input.readLine());
            index -=1;
            if (index < 0 || index >= datausr.size()) {
                System.out.println("Indeks tidak ditemukan!");
            } else {
                user usr = datausr.get(index);
                datausr.remove(index);
                System.out.println("Data anak dengan indeks " + index + " berhasil dihapus:");
            }
        }
    } else{
        System.out.println("Input Salah");
    }
}

}

public static void main(String[] args) throws IOException {
    boolean menu = true;
    while(menu == true){
        System.out.println("=====");
        System.out.println("=  Pemesanan Tiket Konser  =");

```

```

System.out.println("=====");
System.out.println("----- MENU -----");
System.out.println("| 1. Tambah Pesanan  |");
System.out.println("| 2. Baca Pesanan   |");
System.out.println("| 3. Ubah Data Pesanan |");
System.out.println("| 4. Hapus Pesanan   |");
System.out.println("| 5. Exit           |");
System.out.println("=====");
System.out.print("Pilih Menu : ");
int pilih = Integer.parseInt(input.readLine());
switch(pilih){
    case 1:
        tambahdata();
        froze();
        break;
    case 2:
        tampil();
        froze();
        break;
    case 3:
        ubahdata();
        froze();
        break;
    case 4:
        hapus();
        froze();
        break;
    case 5:
        System.out.println("Terima kasih telah menggunakan program ini!");
        menu = false;
        break;
    default:
        System.out.println("Pilihan salah!");
        froze();
        break;
}
}
}
}

```

### **Festival.java**

```

package com.mycompany.posttest4;

public class festival extends user{
    private int booking;

    public festival(String nama, int boking, String artis, String tiket) {
        super(nama, artis, tiket, boking);
        this.booking = booking;
    }
}

```

```

    }

    /**
     * @return the booking
     */
    public int getBooking() {
        return booking;
    }

    /**
     * @param booking the booking to set
     */
    public void setBooking(int booking) {
        this.booking = booking;
    }

    @Override
    public void tampil() {
        super.tampil();
        System.out.println("Booking : " + booking);
    }
}

```

### Tiket.java

```

/*
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change
 * this license
 * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template
 */
package com.mycompany.posttest4;

/**
 *
 * @author Swift 3
 */
public class tiket extends user {
    private String name, artist;
    private int tanggal;

    public tiket(String nama, String artis, String tiket, int boking, String name, String artist,
int tanggal) {
        super(nama, artis, tiket, boking);
        this.name = name; // untuk menginisialisasi atribut "name"
        this.artist = artist;
        this.tanggal = tanggal;
    }
}

```



```

}

/**
 * @return the name
 */
public String getName() {
    return name;
}

/**
 * @param name the name to set
 */
public void setName(String name) {
    this.name = name;
}

/**
 * @return the artist
 */
public String getArtist() {
    return artist;
}

/**
 * @param artist the artist to set
 */
public void setArtist(String artist) {
    this.artist = artist;
}

/**
 * @return the tanggal
 */
public int getTanggal() {
    return tanggal;
}

/**
 * @param tanggal the tanggal to set
 */
public void setTanggal(int tanggal) {
    this.tanggal = tanggal;
}

@Override
public void tampil() {
    super.tampil();
    System.out.println("Nama      : " + name );
    System.out.println("Artis      : " + artist );
    System.out.println("Tanggal    : " + tanggal );
}

```

```
}  
}
```

## User.java

```
package com.mycompany.posttest4;  
  
public class user {  
    private String nama;  
    private String artis;  
    private String tiket;  
    private int boking;  
  
    // untuk membuat objek baru dari class dgn nilai atribut yang telah  
    // diinisialisasi pada saat objek dibuat.  
    public user(String nama, String artis, String tiket, int boking) {  
        this.nama = nama; // untuk menginisialisasi atribut "name"  
        this.artis = artis;  
        this.tiket = tiket;  
        this.boking = boking;  
    }  
  
    public void tampil() {  
        System.out.println("Nmor booking      : " + getBoking() );  
        System.out.println("Nama festival    : " + getNama() );  
        System.out.println("nama        : " + getArtis() );  
        System.out.println("jumlah tiket : " + getTiket() );  
    }  
  
    /**  
     * @return the nama  
     */  
    public String getNama() {  
        return nama;  
    }  
  
    /**  
     * @param nama the nama to set  
     */  
    public void setNama(String nama) {  
        this.nama = nama;  
    }  
  
    /**  
     * @return the artis  
     */  
    public String getArtis() {
```

```
        return artis;
    }

    /**
     * @param artis the artis to set
     */
    public void setArtis(String artis) {
        this.artis = artis;
    }

    /**
     * @return the tiket
     */
    public String getTiket() {
        return tiket;
    }

    /**
     * @param tiket the tiket to set
     */
    public void setTiket(String tiket) {
        this.tiket = tiket;
    }

    /**
     * @return the boking
     */
    public int getBoking() {
        return boking;
    }

    /**
     * @param boking the boking to set
     */
    public void setBoking(int boking) {
        this.boking = boking;
    }
}
```