

Nama yosua bayu wiranata

Nim 2109106126

## SS PROGRAM PBO POSTTEST 2

Soure code

```
1
2 package yosua;
3
4
5 import java.util.ArrayList;
6 import java.util.Scanner;
7
8 public class Yosua {
9     public static void main(String[] args) {
10         ArrayList<hotel> items = new ArrayList<>();
11         Scanner scanner = new Scanner(System.in);
12
13         while (true) {
14             System.out.println("=====");
15             System.out.println(" |          MENU          |");
16             System.out.println("=====");
17             System.out.println(" |1. Tambah Data |");
18             System.out.println(" |2. Tampilkan Data|");
19             System.out.println(" |3. Ubah Data   |");
20             System.out.println(" |4. Hapus Data  |");
21             System.out.println(" |5. Keluar      |");
22             System.out.println("=====");
23             System.out.print("Pilihan Anda: ");
24
25             int pill = scanner.nextInt();
26
27             switch (pill) {
28                 case 1:
29                     System.out.print("Nama pemesan: ");
30                     String name = scanner.next();
31                     System.out.print("harga kamar: ");
32                     int harga = scanner.nextInt();
33                     System.out.print("nomer kamar: ");
34                     int nomer = scanner.nextInt();
35                     hotel its = new hotel(name, harga, nomer);
36                     items.add(its);
37                     System.out.println("Data berhasil ditambahkan.");
38                     break;
39                 case 2:
40                     if (items.size() == 0) {
41                         System.out.println("Data masih kosong.");
42                     } else {
43                         System.out.println("Data:");
44                         for (int i = 0; i < items.size(); i++) {
45                             hotel p = items.get(i);
46
47                             System.out.println("===== ");
48                             System.out.println("Data ke " + (i+1) + ". ");
49                             System.out.println("===== ");
50                             System.out.println("\nNama pemesan : " + p.getName() +
51                                 "\nharga kamar : " + "Rp" + p.getHarga() + "K" +
52                                 "\nnomer kamar: " + p.getnomer());
53                             System.out.println("===== ");
54                         }
55                     }
56                     break;
57                 case 3:
58                     if (items.size() == 0) {
59                         System.out.println("Data masih kosong.");
60                     } else {
61                         System.out.print("Nomor data yang ingin diubah: ");
62                         int index = scanner.nextInt();
63                         if (index > items.size() || index <= 0) {
64                             System.out.println("Nomor data tidak valid.");
65                         } else {
66                             System.out.print("Nama baru: ");
67                             String newName = scanner.next();
68                             System.out.print("harga baru: ");
69                             int newharga = scanner.nextInt();
70                             System.out.print("nomer kamar baru: ");
71                             int newnomer = scanner.nextInt();
72                             hotel newItem = new hotel(name: newName, harga: newharga, nomer: newnomer);
```

```

73         items.set(index-1, element: newItem);
74         System.out.println(x: "Data berhasil diubah.");
75     }
76 }
77 break;
78 case 4:
79     if (items.size() == 0) {
80         System.out.println(x: "Data masih kosong.");
81     } else {
82         System.out.print(x: " data yang mau dihapus: ");
83         int index = scanner.nextInt();
84         if (index > items.size() || index <= 0) {
85             System.out.println(x: " data tidak valid.");
86         } else {
87             items.remove(index-1);
88             System.out.println(x: "Data berhasil dihapus.");
89         }
90     }
91     break;
92 case 5:
93     System.out.println(x: "Terima kasih telah menggunakan program ini.");
94     System.exit(status: 0);
95     break;
96
97 default:
98     System.out.println(x: "Pilihan tidak valid.");
99     break;
100 }
101 }
102 }
103
104
105
106

```

## Class

```

1 package yosua;
2
3 public class hotel {
4     private String name;
5     private int harga;
6     private int nomer;
7
8     public hotel(String name, int harga, int nomer) {
9         this.name = name;
10        this.harga = harga;
11        this.nomer = nomer;
12    }
13
14    public String getName() {
15        return name;
16    }
17
18    public int getHarga() {
19        return harga;
20    }
21    public int getnomer() {
22        return nomer;
23    }
24
25    /**
26     * @param name the name to set
27     */
28    public void setName(String name) {
29        this.name = name;
30    }
31
32    /**
33     * @param harga the harga to set
34     */
35    public void setHarga(int harga) {
36        this.harga = harga;
37    }
38
39    /**
40     * @param nomer the nomer to set
41     */
42    public void setNomer(int nomer) {
43        this.nomer = nomer;
44    }
45 }
46

```

## Output

### MENU 1

```
run:
=====
|      MENU      |
=====
|1. Tambah Data  |
|2. Tampilkan Data|
|3. Ubah Data    |
|4. Hapus Data   |
|5. Keluar       |
=====
Pilihan Anda: 1
Nama pemesan: jamal
harga kamar: 1200000
nomer kamar: 18
Data berhasil ditambahkan.
=====
|      MENU      |
=====
|1. Tambah Data  |
|2. Tampilkan Data|
|3. Ubah Data    |
|4. Hapus Data   |
|5. Keluar       |
=====
Pilihan Anda: |
```

### MENU 2

```
=====
|1. Tambah Data  |
|2. Tampilkan Data|
|3. Ubah Data    |
|4. Hapus Data   |
|5. Keluar       |
=====
Pilihan Anda: 2
Data:
=====
Data ke 1.
=====

Nama pemesan : jamal
harga kamar : Rp1200000K
nomer kamar:18
=====
=====
|      MENU      |
=====
|1. Tambah Data  |
|2. Tampilkan Data|
|3. Ubah Data    |
|4. Hapus Data   |
|5. Keluar       |
=====
Pilihan Anda: |
```

### MENU 3

Sebelum

```
Data:
=====
Data ke 1.
=====

Nama pemesan : jamal
harga kamar : Rp1200000K
nomer kamar:18
=====
=====
Data ke 2.
=====

Nama pemesan : GINA
harga kamar : Rp1300000K
nomer kamar:13
=====
```

### SESUDAH

```
Pilihan Anda: 3
Nomor data yang ingin diubah: 1
Nama baru: toya
harga baru: 10000
nomer kamar baru: 18
Data berhasil diubah.
```

### HASIL

```
Data:
=====
Data ke 1.
=====

Nama pemesan : toya
harga kamar : Rp10000K
nomer kamar:18
=====
=====
Data ke 2.
=====

Nama pemesan : GINA
harga kamar : Rp1300000K
nomer kamar:13
=====
```

#### MENU 4

```
=====
|      MENU      |
=====
|1. Tambah Data  |
|2. Tampilkan Data|
|3. Ubah Data    |
|4. Hapus Data   |
|5. Keluar       |
=====
Pilihan Anda: 4
data yang mau dihapus: 2
Data berhasil dihapus.
```

#### TAMPILAN

```
=====
|      MENU      |
=====
|1. Tambah Data  |
|2. Tampilkan Data|
|3. Ubah Data    |
|4. Hapus Data   |
|5. Keluar       |
=====
Pilihan Anda: 2
Data:
=====
Data ke 1.
=====

Nama pemesan : toya
harga kamar : Rp10000K
nomer kamar:18
=====
```

#### MENU 5

```
=====
|      MENU      |
=====
|1. Tambah Data  |
|2. Tampilkan Data|
|3. Ubah Data    |
|4. Hapus Data   |
|5. Keluar       |
=====
Pilihan Anda: 5
Terima kasih telah menggunakan program ini.
BUILD SUCCESSFUL (total time: 8 minutes 37 seconds)
|
```