

```

1 import java.util.ArrayList;
2 import java.util.HashMap;
3
4 class Language {
5     private int id;
6     private String name;
7     private double harga;
8
9     public Language(int id, String name, double harga) {
10         this.id = id;
11         this.name = name;
12         this.harga = harga;
13     }
14
15     public int getId() { return id; }
16     public String getName() { return name; }
17     public double getHarga() { return harga; }
18
19     public void setNama(String name) { this.name = name; }
20     public void setHarga(double harga) { this.harga = harga; }
21
22     public void tampilInfo() {
23         System.out.println("ID : " + id + ", Nama : " + name + ", Harga: Rp" + harga + " /jam");
24     }
25 }
26
27 class Reservasi {
28     private int id;
29     private String namaPelanggan;
30     private String tanggal;
31     private int durasi;
32     private Language language;
33
34     public Reservasi(int id, String namaPelanggan, String tanggal, int durasi, Language language) {
35         this.id = id;
36         this.namaPelanggan = namaPelanggan;
37         this.tanggal = tanggal;
38         this.durasi = durasi;
39         this.language = language;
40     }
41
42     public int getId() { return id; }
43     public String getNamaPelanggan() { return namaPelanggan; }
44     public String getTanggal() { return tanggal; }
45     public int getDurasi() { return durasi; }
46     public Language getLanguage() { return language; }
47
48     public void setNamaPelanggan(String namaPelanggan) { this.namaPelanggan = namaPelanggan; }
49     public void setTanggal(String tanggal) { this.tanggal = tanggal; }
50     public void setDurasi(int durasi) { this.durasi = durasi; }
51
52     public double hitungBayar() {
53         return durasi * language.getHarga();
54     }
55
56     // Method Overloading
57     public void tampilInfo() {
58         System.out.println("Reservasi : " + id + ", Pelanggan : " + namaPelanggan +
59             ", Tanggal : " + tanggal + ", Durasi : " + durasi + " jam, Language : " + language.getName());
60     }
61
62     public void tampilInfoCompleteInfoLengkap() {
63         tampilInfo();
64         if (language != null) {
65             System.out.println("Total Bayar: Rp" + hitungBayar());
66         }
67     }
68
69     // Method untuk menyalin
70     public Language clone() {
71         return new Language(this.id, this.name, this.harga);
72     }
73
74     public Reservasi clone() {
75         return new Reservasi(this.id, this.namaPelanggan, this.tanggal, this.durasi, this.language);
76     }
77
78     // Method overriding
79     @Override
80     public double hitungBayar() {
81         double diskon = 0.1; // 10% diskon untuk member
82         return super.hitungBayar() * (1 - diskon);
83     }
84
85     public class Main {
86         static Scanner input = new Scanner(System.in);
87         static ArrayList<Language> daftarLanguage = new ArrayList<>();
88         static ArrayList<Reservasi> daftarReservasi = new ArrayList<>();
89         static int idReservasi = 1;
90
91         public static void main(String[] args) {
92             daftarLanguage.add(new Language("Javanese", "Javanese A", 100000));
93             daftarLanguage.add(new Language("Javanese", "Javanese B", 150000));
94
95             while (true) {
96                 System.out.println("\n===== Daftar Reservasi Language =====");
97                 System.out.println("1. Input Daftar Language");
98                 System.out.println("2. Hitung Bayar");
99                 System.out.println("3. Input Reservasi");
100                 System.out.println("4. Hitung Bayar");
101                 System.out.println("5. Hitung Bayar");
102                 System.out.println("6. Exit");
103
104                 String pilihan = input.nextLine();
105                 if (pilihan.equals("1")) {
106                     System.out.println("Input Daftar Language");
107                     System.out.println("Masukkan ID, Nama, dan Harga:");
108                     System.out.println("ID: ");
109                     System.out.println("Nama: ");
110                     System.out.println("Harga: ");
111                     System.out.println("Masukkan ID, Nama, dan Harga:");
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