

```

1  import java.util.*;
2
3  class Unit {
4      private int id;
5      private String nama;
6      private double harga;
7      private boolean tersedia;
8
9      public Unit(int id, String nama, double harga, boolean tersedia) {
10         this.id = id;
11         this.nama = nama;
12         this.harga = harga;
13         this.tersedia = tersedia;
14     }
15
16     public int getId() {
17         return id;
18     }
19
20     public String getName() {
21         return nama;
22     }
23
24     public void setName(String nama) {
25         this.nama = nama;
26     }
27
28     public double getHarga() {
29         return harga;
30     }
31
32     public void setHarga(double harga) {
33         this.harga = harga;
34     }
35
36     public boolean isTersedia() {
37         return tersedia;
38     }
39
40     public void setTersedia(boolean tersedia) {
41         this.tersedia = tersedia;
42     }
43
44     // Override
45     public String getInfo() {
46         return "";
47     }
48
49     // Overloading
50     public String getInfo(boolean lengkap) {
51         if (lengkap) {
52             return "ID: " + id + ", Nama: " + nama + ", Harga: Rp " + harga + ", Status: " + (tersedia ? "Ready" : "Rented") + ", Info Tambahan: " + getInfo();
53         } else {
54             return nama + " (Rp " + harga + ")";
55         }
56     }
57 }
58
59 class Excavator extends Unit {
60     private double Kapasitas;
61
62     public Excavator(int id, String nama, double harga, boolean tersedia, double Kapasitas) {
63         super(id, nama, harga, tersedia);
64         this.Kapasitas = Kapasitas;
65     }
66
67     public double getKapasitas() {
68         return Kapasitas;
69     }
70
71     public void setKapasitas(double Kapasitas) {
72         this.Kapasitas = Kapasitas;
73     }
74
75     // Override
76     @Override
77     public String getInfo() {
78         return "Kapasitas Bucket: " + Kapasitas + " m3";
79     }
80 }
81
82 class Bulldozer extends Unit {
83     private String tipeBlade;
84
85     public Bulldozer(int id, String nama, double harga, boolean tersedia, String tipeBlade) {
86         super(id, nama, harga, tersedia);
87         this.tipeBlade = tipeBlade;
88     }
89
90     public String getTipeBlade() {
91         return tipeBlade;
92     }
93
94     public void setTipeBlade(String tipeBlade) {
95         this.tipeBlade = tipeBlade;
96     }
97
98     // Override
99     @Override
100    public String getInfo() {
101        return "Tipe Blade: " + tipeBlade;
102    }
103 }
104

```

```

1 public class POSTTEST {
2     private static Scanner scanner = new Scanner(System.in);
3     private static List<Unit> daftarUnit = new ArrayList<>();
4     private static int unitId = 1;
5
6     public static void main(String[] args) {
7         while (true) {
8             System.out.print("\033[2J");
9             System.out.println("=====Admin=====");
10            System.out.println("\nPenyewaan Alat Berat [CV.Bintang Jaya]");
11            System.out.println("1. Kelola Unit");
12            System.out.println("2. Keluar");
13            System.out.print("Pilih menu: ");
14            int pilihan = scanner.nextInt();
15            scanner.nextLine();
16
17            switch (pilihan) {
18                case 1:
19                    MUnit();
20                    break;
21                case 2:
22                    System.exit(0);
23                default:
24                    System.out.println("Pilihan tidak valid!");
25            }
26        }
27    }
28
29    private static void MUnit() {
30        while (true) {
31            System.out.println("\nPengelolaan Unit Sewa");
32            System.out.println("1. Tambah Unit");
33            System.out.println("2. Lihat Unit");
34            System.out.println("3. Perbarui Unit");
35            System.out.println("4. Hapus Unit");
36            System.out.println("5. Kembal");
37            System.out.print("Pilih: ");
38            int pilihan = scanner.nextInt();
39            scanner.nextLine();
40
41            if (pilihan == 1) {
42                System.out.println("Pilih tipe unit:");
43                System.out.println("1. Excavator");
44                System.out.println("2. Bulldozer");
45                int tipe = scanner.nextInt();
46                scanner.nextLine();
47
48                System.out.print("Nama Unit: ");
49                String nama = scanner.nextLine();
50                System.out.print("Harga /Day: ");
51                double harga = scanner.nextDouble();
52                scanner.nextLine();
53
54                if (tipe == 1) {
55                    System.out.print("Kapasitas Bucket (m3): ");
56                    double kapasitas = scanner.nextDouble();
57                    daftarUnit.add(new Excavator(unitId++, nama, harga, true, kapasitas));
58                } else if (tipe == 2) {
59                    System.out.print("Tipe Blade: ");
60                    String blade = scanner.nextLine();
61                    daftarUnit.add(new Bulldozer(unitId++, nama, harga, true, blade));
62                } else {
63                    System.out.println("Tipe tidak valid!");
64                }
65            } else if (pilihan == 2) {
66                for (Unit unit : daftarUnit)
67                    System.out.println(unit.getId() + " - " + unit.getNama() + " - Rp " + unit.getHarga() + " /Day - " + (unit.isTersedia() ? "Ready" : "Rented") + " | " + unit.getInfo());
68            } else if (pilihan == 3) {
69                System.out.print("Masukkan ID unit yang akan diperbarui: ");
70                int id = scanner.nextInt();
71                scanner.nextLine();
72                for (Unit unit : daftarUnit) {
73                    if (unit.getId() == id) {
74                        System.out.print("Nama baru: ");
75                        unit.setNama(scanner.nextLine());
76                        System.out.print("Harga /Day: ");
77                        unit.setHarga(scanner.nextDouble());
78                        scanner.nextLine();
79
80                        if (unit instanceof Excavator) {
81                            Excavator ex = (Excavator) unit;
82                            System.out.print("Kapasitas Bucket baru (m3): ");
83                            ex.setKapasitas(scanner.nextDouble());
84                            scanner.nextLine();
85                        } else if (unit instanceof Bulldozer) {
86                            Bulldozer bd = (Bulldozer) unit;
87                            System.out.print("Tipe Blade baru: ");
88                            bd.setTipeBlade(scanner.nextLine());
89                        }
90                    }
91                }
92                System.out.println("Data unit berhasil diperbarui!");
93                break;
94            }
95        }
96    }
97
98    } else if (pilihan == 4) {
99        System.out.print("Masukkan ID unit: ");
100        int id = scanner.nextInt();
101        daftarUnit.removeIf(unit -> unit.getId() == id);
102    } else break;
103    }
104 }
105

```