

LAB # 1

Introduction to Eclipse IDE

Lab Task:

Write the java code with the help of the given class diagram of Hospital Management System.

Code:

```
56
57     class Receptionist extends Person {
58         Receptionist(int id, String name) {
59             super(id, name);
60         }
61
62         void scheduleAppointment(Patient p, Doctor d) {
63             System.out.println("Receptionist " + name + " scheduled appointment for " + p.name + " with " + d.name);
64         }
65     }
66
67     class Billing {
68         int billNo;
69         int patientID;
70         String patientName;
71         double amount;
72
73         Billing(int billNo, int patientID, String patientName, double amount) {
74             this.billNo = billNo;
75             this.patientID = patientID;
76             this.patientName = patientName;
77             this.amount = amount;
78         }
79
80         void showBill() {
81             System.out.println("Billing[No=" + billNo + ", PatientID=" + patientID + ", PatientName=" + patientName + ", Amount=" + amount +
82         }
83     }
84 }
```

Output:

```
==== Hospital Management Demo ====
Developed by: Sohaib Shahab

Receptionist Sohaib scheduled appointment for Imran Khan with Dr. Anwar
Doctor Dr. Anwar is checking patient Imran Khan
Bill generated: Billing[No=1001, PatientID=1, PatientName=Imran Khan, Amount=2500.5]
Billing[No=1001, PatientID=1, PatientName=Imran Khan, Amount=2500.5]
Imran Khan is paying bill no: 1001 of amount: 2500.5

==== Demo finished ====
-----
BUILD SUCCESS
-----
```