**LAB 1:**

**INTRODUCTION TO ECLIPSE IDE**

**USER CLASS:**

**import** java.util.Scanner;

**public** **class** User {

**public** **static** **void** main(String[] args) {

System.***out***.println("Enter your Choice: 1)Receptionist 2)Patient 3)Doctor");

Scanner fizza = **new** Scanner(System.***in***);

**int** choice = fizza.nextInt();

**do**{

**switch**(choice) {

**case** 1: Receptionist R = **new** Receptionist();

R.Choice();

**break**;

**case** 2: Patient P = **new** Patient();

P.Choice();

**break**;

**case** 3: Doctor D = **new** Doctor();

D.Choice();

**break**;

}

}

**while**(choice!=1);

}

}

**RECEPTIONALIST CLASS:**

**import** java.util.Scanner;

**public** **class** Receptionist **extends** User {

**public** **void** Choice(){

System.***out***.println("Enter your Choice: 1)GiveAppoint 2)GenerateBill");

Scanner fizza = **new** Scanner(System.***in***);

**int** choice = fizza.nextInt();

**switch**(choice){

**case** 1: GiveAppoint();

**break**;

**case** 2: GenerateBill();

**break**;

**case** 3: *main*(**null**);

}

}

**public** **void** GiveAppoint(){

Patient P = **new** Patient();

String p\_name =P.getP\_name();

**int** p\_id = P.getP\_id();

Doctor D = **new** Doctor();

**int** d\_id = D.getD\_id();

String d\_name = D.getD\_name();

System.***out***.println("PatientID: " + p\_id + "\nPatientName: "+p\_name+"\nAppointment with Doctor \nDoctorID: "+d\_id+ "\nDoctorName: "+d\_name);

}

**public** **void** GenerateBill(){

Billing B = **new** Billing();

**int** b\_no =B.getB\_no();

String p\_name =B.getP\_name();

**int** p\_id = B.getP\_id();

**int** b\_amt = B.getB\_amt();

System.***out***.println("BillNO: "+b\_no +"\n PatientID: "+p\_id+"\nPatientName: "+p\_name+"\nBillAmount: "+b\_amt);

}

}

**PATIENT CLASS:**

**import** java.util.Scanner;

**public** **class** Patient **extends** User{

**private** **int** p\_id=101;

**private** String p\_name="Mubashir";

**public** **void** Choice(){

System.***out***.println("Enter your choice: 1)PayBill");

Scanner fizza = **new** Scanner(System.***in***);

**int** choice = fizza.nextInt();

**switch**(choice){

**case** 1: PayBill();

**break**;

**case** 2: *main*(**null**);

}

}

**public** **int** getP\_id() {

**return** p\_id;

}

**public** **void** setP\_id(**int** p\_id) {

**this**.p\_id = p\_id;

}

**public** String getP\_name() {

**return** p\_name;

}

**public** **void** setP\_name(String p\_name) {

**this**.p\_name = p\_name;

}

**public** **void** PayBill(){

System.***out***.println("Thanks For Paying Bill");

}

}

**DOCTOR CLASS:**

**import** java.util.Scanner;

**public** **class** Doctor **extends** User{

**private** **int** d\_id=301;

**private** String d\_name="ABC";

**public** **int** getD\_id() {

**return** d\_id;

}

**public** **void** setD\_id(**int** d\_id) {

**this**.d\_id = d\_id;

}

**public** String getD\_name() {

**return** d\_name;

}

**public** **void** setD\_name(String d\_name) {

**this**.d\_name = d\_name;

}

**public** **void** Choice(){

System.***out***.println("Enter your choice: 1)CheckPatient");

Scanner fizza = **new** Scanner(System.***in***);

**int** choice = fizza.nextInt();

**switch**(choice){

**case** 1: CheckPatient();

**break**;

**case** 2: *main*(**null**);

}

}

**public** **void** CheckPatient(){

Patient P = **new** Patient();

String p\_name =P.getP\_name();

**int** p\_id = P.getP\_id();

System.***out***.println("Doctor: "+d\_name+" has check patient "+p\_name);

}

}

**BILLING CLASS:**

**public** **class** Billing{

**private** **int** b\_no=201;

**private** **int** b\_amt=1000;

Patient P = **new** Patient();

String p\_name =P.getP\_name();

**int** p\_id = P.getP\_id();

**public** String getP\_name() {

**return** p\_name;

}

**public** **int** getB\_no() {

**return** b\_no;

}

**public** **int** getB\_amt() {

**return** b\_amt;

}

**public** Patient getP() {

**return** P;

}

**public** **int** getP\_id() {

**return** p\_id;

}

}

**OUTPUT:**







