**package** com.model;

**public** **class** Customer {

String firstName,lastName,contactNo,emailid,proofType,proofId;

**public** String getFirstName() {

**return** firstName;

}

**public** **void** setFirstName(String firstName) {

**this**.firstName = firstName;

}

**public** String getLastName() {

**return** lastName;

}

**public** **void** setLastName(String lastName) {

**this**.lastName = lastName;

}

**public** String getContactNo() {

**return** contactNo;

}

**public** **void** setContactNo(String contactNo) {

**this**.contactNo = contactNo;

}

**public** String getEmailid() {

**return** emailid;

}

**public** **void** setEmailid(String emailid) {

**this**.emailid = emailid;

}

**public** String getProofType() {

**return** proofType;

}

**public** **void** setProofType(String proofType) {

**this**.proofType = proofType;

}

**public** String getProofId() {

**return** proofId;

}

**public** **void** setProofId(String proofId) {

**this**.proofId = proofId;

}

}

**package** com.model;

**import** poc.RoomType;

**public** **class** Room {

**int** id,roomNo;

Service service;

RoomType roomtype;

**public** **int** getId() {

**return** id;

}

**public** **void** setId(**int** id) {

**this**.id = id;

}

**public** **int** getRoomNo() {

**return** roomNo;

}

**public** **void** setRoomNo(**int** roomNo) {

**this**.roomNo = roomNo;

}

**public** Service getService() {

**return** service;

}

**public** **void** setService(Service service) {

**this**.service = service;

}

**public** RoomType getRoomtype() {

**return** roomtype;

}

**public** **void** setRoomtype(RoomType roomtype) {

**this**.roomtype = roomtype;

}

@Override

**public** String toString() {

**return** "Room [id=" + id + ", roomNo=" + roomNo + ", service=" + service.***acService***

+ ", roomtype=" + roomtype.***Normal*** + "]";

}

}

**package** poc;

**public** **enum** RoomType {

***Normal***,***Deluxe***,***SuperDeluxe***;

}

**package** com.model;

**public** **class** Service {

**public** **static** **final** String ***acService***="AC Service";

**public** **static** **final** String ***WifiService***="Wi-Fi Service";

**public** **static** **final** String ***CableService*** ="Cable Service ";

**public** **static** **final** String ***LaundryService***="Laundry Service ";

}

**package** poc;

**import** com.model.Service;

**public** **class** TestRoomType {

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

// **TODO** Auto-generated method stub

**int** n=1;

**if**(n==1)

{

System.***out***.println(RoomType.***Normal***);

}

**else** **if**(n==2)

{

System.***out***.println(RoomType.***Deluxe***);

}

**else**

{

System.***out***.println("else");

}

System.***out***.println(Service.***acService***);

}

}

**package** service;

**import** java.util.ArrayList;

**import** java.util.List;

**import** com.model.Room;

**public** **class** RoomList {

**private** List<Room> roomList = **new** ArrayList<Room>();

**public** **void** addRoom(Room r)

{

roomList.add(r);

}

**public** **void** deleteRoom(**int** id)

{

roomList.remove(id);

}

**public** List<Room> displayAllRoom()

{

**return** roomList;

}

}

**package** exe;

**import** java.util.Scanner;

**import** service.RoomList;

**import** com.model.Room;

**public** **class** Main {

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

// **TODO** Auto-generated method stub

**int** roomType=0;

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

Room room = **new** Room();

System.***out***.println("Enter the room Id");

room.setId(input.nextInt());

System.***out***.println("Enter the room No");

room.setRoomNo(input.nextInt());

System.***out***.println("Enter the roomType");

roomType=input.nextInt();

**if**(roomType==1)

{

System.***out***.println(room.getRoomtype().***Normal***);

}

**else** **if**(roomType==2)

{

System.***out***.println(room.getRoomtype().***Deluxe***);

}

**else** **if**(roomType==3)

{

System.***out***.println(room.getRoomtype().***SuperDeluxe***);

}

**else**

{

System.***out***.println("Not in the choice");

}

System.***out***.println(room.getService().***acService***);

**boolean** select = input.nextBoolean();

System.***out***.println(room.getService().***CableService***);

select=input.nextBoolean();

System.***out***.println(room.getService().***LaundryService***);

select = input.nextBoolean();

RoomList listrooms= **new** RoomList();

listrooms.addRoom(room);

System.***out***.println(listrooms.displayAllRoom());

}

}