CREATE TABLE Hotel\_owners( hotel\_ID NUMBER(4) PRIMARY KEY,

NAME VARCHAR2(45), MOBILE VARCHAR2(10 BYTE) );

INSERT INTO hotel\_OWNERS VALUES (1,'Vaishali Srivastava','8888108810');

INSERT INTO hotel\_OWNERS VALUES (2,'Ankita Ghokhle','9876665454');

INSERT INTO hotel\_OWNERS VALUES (3,'Rohini Vijayan','7659993201');

select \* from hotel\_owners

CREATE TABLE Room\_Registration (Room\_NO NUMBER(10) primary key, hotel\_ID NUMBER(4) references hotel\_owners(hotel\_id),

room\_TYPE NUMBER(1), room\_AREA NUMBER(4),

RENT\_AMOUNT NUMBER(10,2), Paid\_AMOUNT NUMBER(10,2));

CREATE SEQUENCE room\_SEQ START WITH 1000;

Display menu to the user should be as follows

1. Booking Room
2. Exit

1. When the user selects this menu option, it allows the user to enter the room details along with hotelowner details. All the details entered will be added successfully to the above table (roomregistration), and it should print the message

**Room successfully registered. Room no:<1001**>

--Ensure the paid amount cannot be less than rent amount.

**Existing HotelOwner IDS Are:-[1, 2, 3]**

**Please enter your hotel owner id from above list:** 2

**Select room type Type (1-1AC, 2-2NON-AC):**1

**Enter room area in sq. ft.:** 650

**Enter desired rent amount Rs:** 7000

**Enter desired paid amount Rs:** 25000.

--- If the hotel owner id entered is not present in the list display the proper error message that**<< “hotel owner id does not exists”**>>

**Classes to be created**

**com.cg. orb.ui**

class Client {

public static void main ( ){

// User Interface which display the menu and accept the Input from user

// Create object for service and execute the respective methods}

**com.cg.orb.dto**

class FlatRegistrationDTO{//class to store flat details}

**com.cg.orb.service** // Service utility classes and Interfaces

interface IRoomRegistrationService {

RoomRegistrationDTO registerRoom(RoomRegistrationDTO flat);

ArrayList<Integer> getAllOwnerIds();

}

class RoomRegistrationServiceImpl implements RoomRegistrationService {

RoomRegistrationDTO registerFlat(RoomRegistrationDTO flat){..};

ArrayList<Integer> getAllOwnerIds(){….};

}

**com.cg.frs.dao //** Class to perform Data Accessing logic

interface IRoomRegistrationDAO{

RoomRegistrationDTO registerRoom(RoomRegistrationDTO flat);

ArrayList<Integer> getAllOwnerIds();

}

class RoomRegistrationDAOImpl implements IRoomRegistrationDAO{

RoomRegistrationDTO registerRoom(RoomRegistrationDTO flat){..};

ArrayList<Integer> getAllOwnerIds(){….};

}

Add appropriate user defined exception classes and any other supporting classes required.