Hotel management system

Team members

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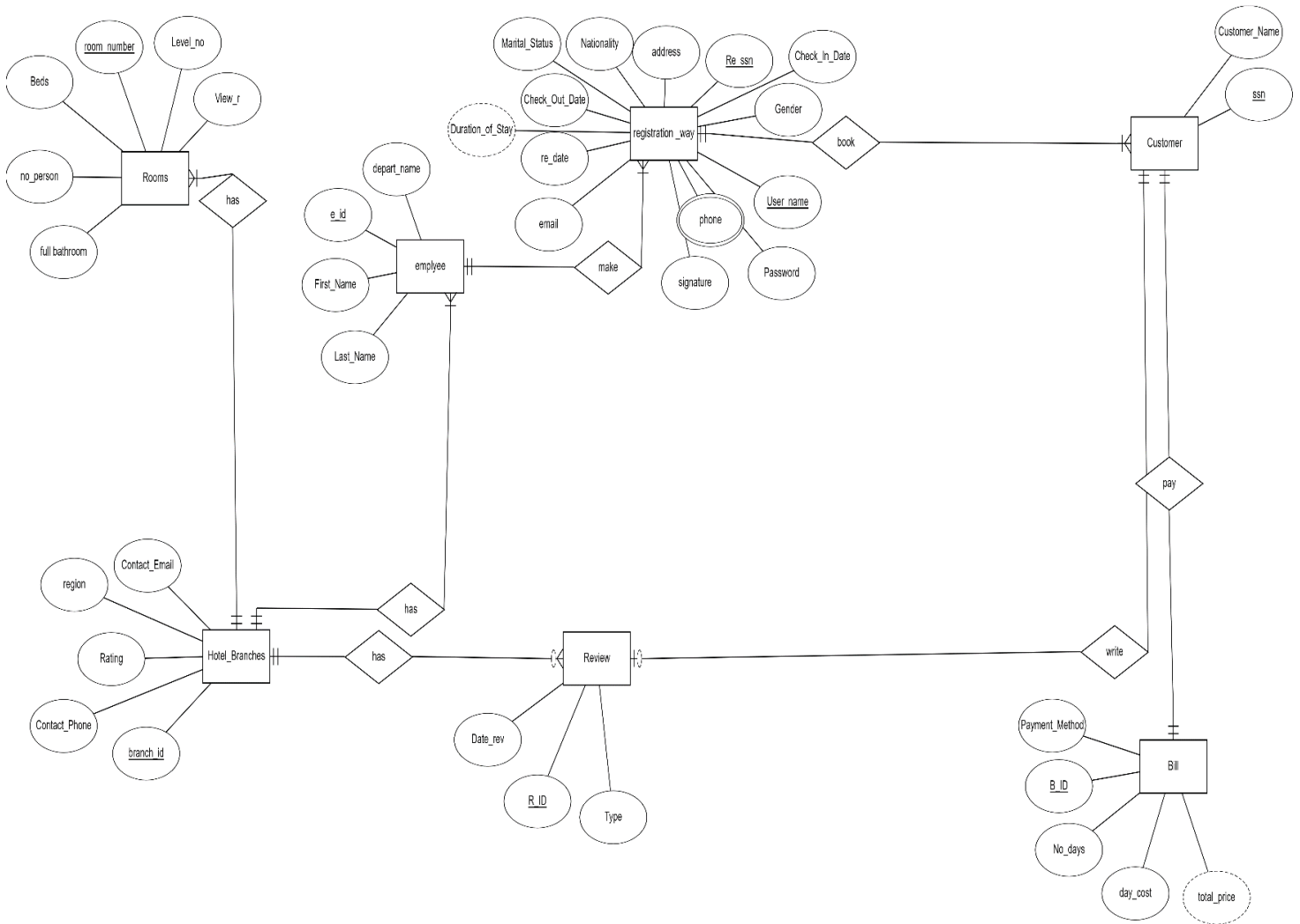7. ميان اسلام محمد احمد20201323258

Business rules for hotel:

- Our hotel has several branches ,attributes of hotel_branches(branch_id(key),region,contact_email,rating).
- Rooms ,every branch has a group of rooms and we have two types of room single room and double room ,some of them has a view ,some of single rooms marked by full bathroom,attributes of rooms(room_number(key),level_no,view_r,beds,no_person,full bathroom)
- Employee ,attributes of employee (e_id(key),first name,last name,depart_name),every employee connect with one branch.
- Customer ,attributes of customer(ssn(key),customer_name).
- Review,customers can write review or not,attributes of review(R_id(key),date_rev,type),every review connect with one branch and one customer.
- Bill ,attributes of bill (b_id (key),payment_method,no_days,day_cost,total_pric
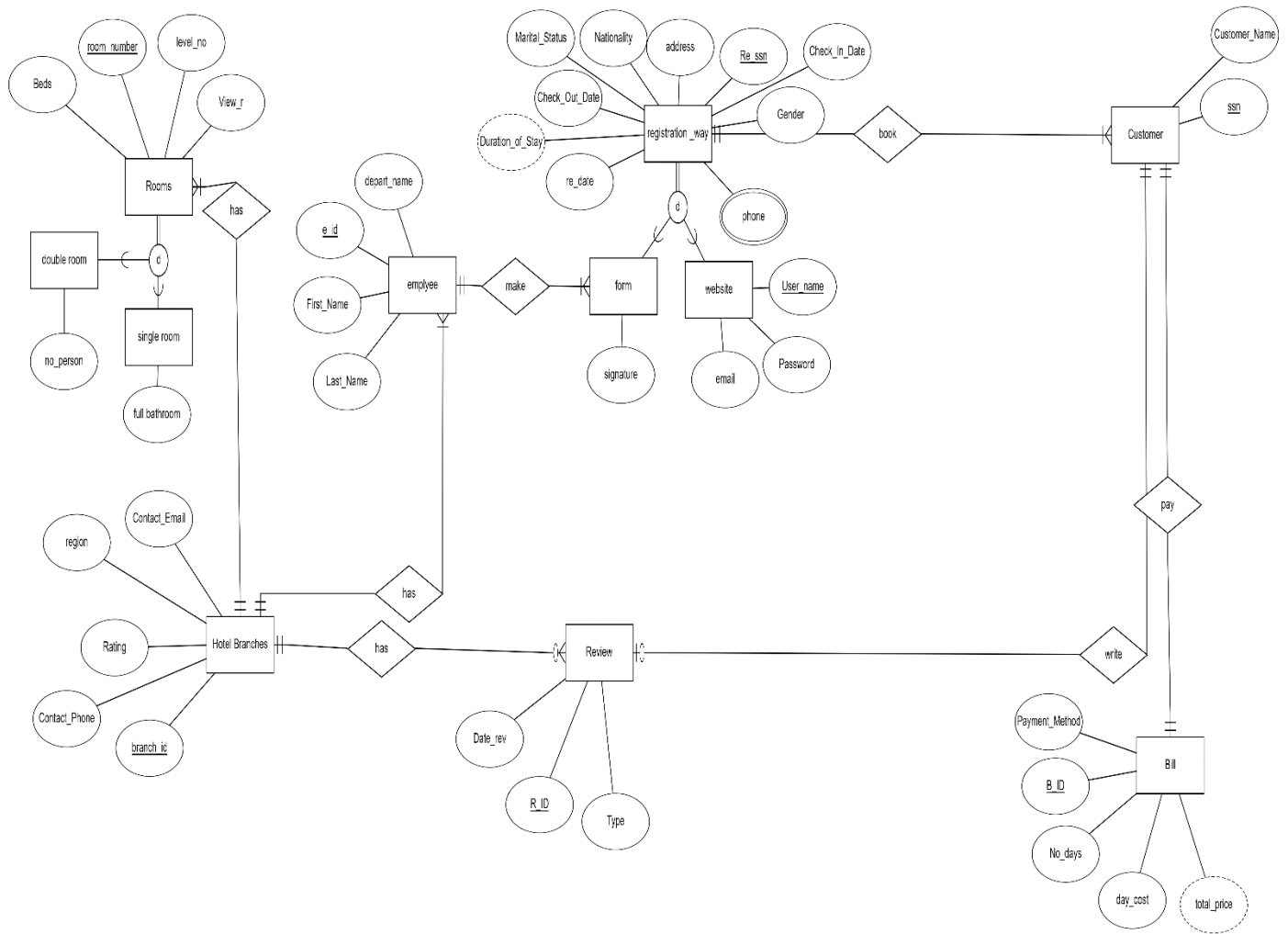
e(derived attribute)),every customer pay one bill and every bill connect with one customer.

- Registration_way ,we have two types of registration by our website or form,attributes of registration_way(re_ssn(key),gender,phone(multi-value),signature,user_name,password,address,natio nalty,re_date,marital_status,email,check_in_date,ch eck_out_date,duration_of_stay(derived attribute)),every customer can book with only one registration_way,if employee make registration_way will be every registration_way maked by one employee ,and every employee can make many registration_way.
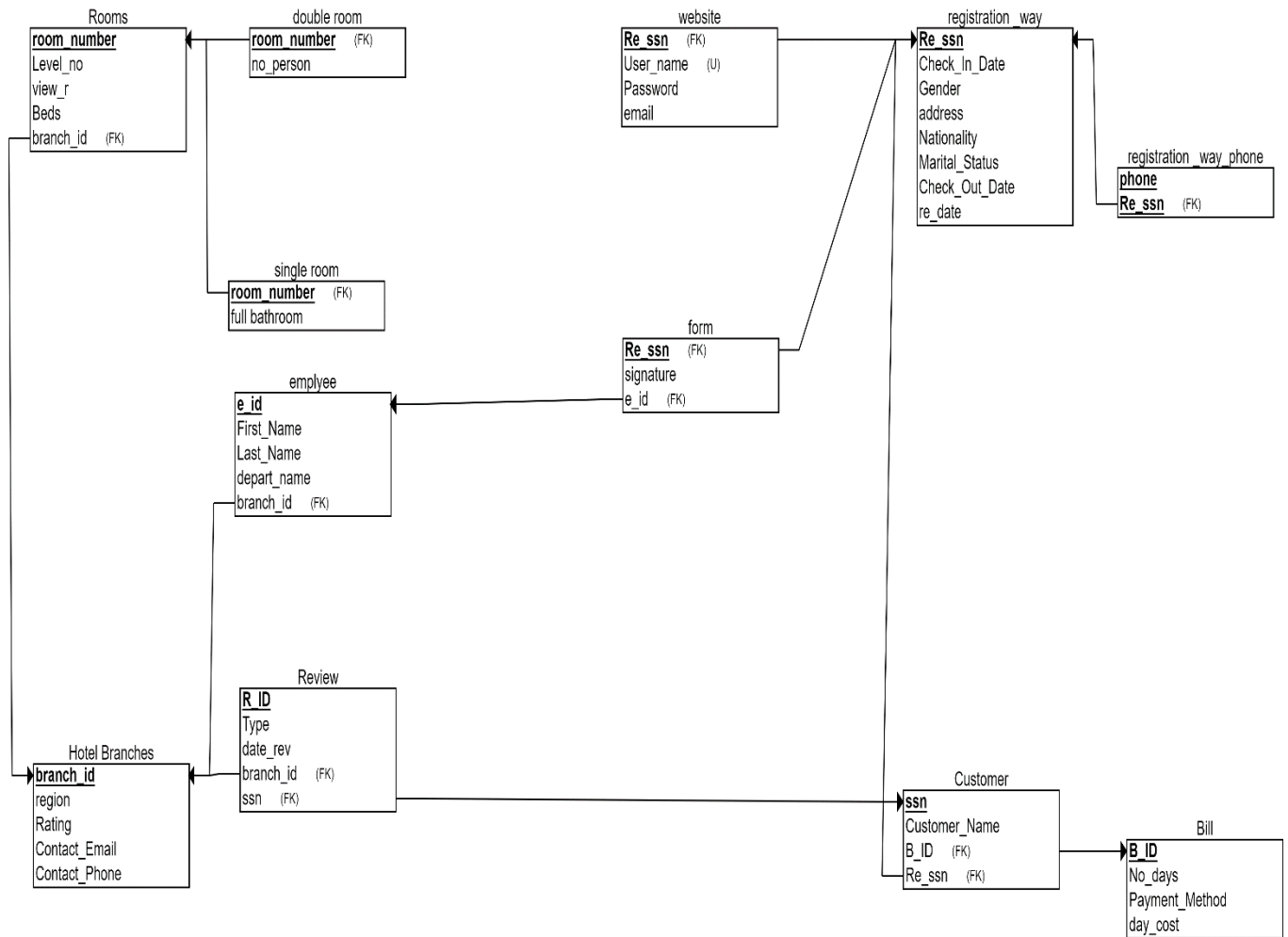
ERD:

EER:

RATIONAL SCHEMA:

Rooms
| room_number |
| Level_no |
| view_r |
| Beds |
| branch_id (FK) |

double room
| room_number (FK) |
| no_person |

single room
| room_number (FK) |
| full bathroom |

website
| Re_ssn (FK) |
| User_name (U) |
| Password |
| email |

registration _way
| Re_ssn |
| Check_In_Date |
| Gender |
| address |
| Nationality |
| Marital_Status |
| Check_Out_Date |
| re_date |

registration _way_phone
| phone |
| Re_ssn (FK) |

form
| Re_ssn (FK) |
| signature |
| e_id (FK) |

emplyee
| e_id |
| First_Name |
| Last_Name |
| depart_name |
| branch_id (FK) |

Review
| R_ID |
| Type |
| date_rev |
| branch_id (FK) |
| ssn (FK) |

Hotel Branches
| branch_id |
| region |
| Rating |
| Contact_Email |
| Contact_Phone |

Customer
| ssn |
| Customer_Name |
| B_ID (FK) |
| Re_ssn (FK) |

Bill
| B_ID |
| No_days |
| Payment_Method |
| day_cost |

Customer:

```
CREATE TABLE Customer
(
  ssn NUMBER(6) NOT NULL,
  Customer_Name VARCHAR(20) NOT NULL,
  B_ID NUMBER(3) NOT NULL,
  Re_ssn NUMBER(2) NOT NULL,
  PRIMARY KEY (ssn),
  FOREIGN KEY (B_ID) REFERENCES Bill(B_ID),
  FOREIGN KEY (Re_ssn) REFERENCES
registration_way(Re_ssn)
);
```

INSERT INTO Customer VALUES (333, 'Adelaide Gavril', 223, 23);

INSERT INTO Customer VALUES (543, 'Alice Caleb', 334, 14);

INSERT INTO Customer VALUES (754, 'Amber Clark', 444, 67);

INSERT INTO Customer VALUES (666, 'Viola Aramina', 716, 84);

INSERT INTO Customer VALUES (471, 'Elain Marinette', 945, 26);

INSERT INTO Customer VALUES (303, 'Claude Alastair', 523, 98);

INSERT INTO Customer VALUES (339, 'Aillard Nikolaus', 800, 83);

INSERT INTO Customer VALUES (344, 'Gavin Rowan', 927, 44);

INSERT INTO Customer VALUES (213, 'Zander Radley', 777, 10);

INSERT INTO Customer VALUES (111, 'Cassidy Yvette', 480, 22);

EDIT	SSN	CUSTOMER_NAME	B_ID	RE_SSN
✎	333	Adelaide Gavril	223	23
✎	543	Alice Caleb	334	14
✎	754	Amber Clark	444	67
✎	666	Viola Aramina	716	84
✎	471	Elain Marinette	945	26
✎	303	Claude Alastair	523	98
✎	339	Aillard Nikolaus	800	83
✎	344	Gavin Rowan	927	44
✎	213	Zander Radley	777	10
✎	111	Cassidy Yvette	480	22
				row(s) 1 - 10 of 10

Bill :

Create table Bill (

B_id number(3) not null,

No_days number (3) not null,

Payment_method varchar(30) not null,

Day_cost number (4) not null,

```sql
Total_price number (8)as(no_days* day_cost),

Constraint b_pk primary key (b_id)

);




Insert into bill (b_id , No_days , payment_method ,
Day_cost  ) values (223,4,'cash',230) ;

 Insert into bill (b_id , No_days , payment_method ,
Day_cost ) values (334,6 , 'visa',180);

Insert into bill (b_id , No_days , payment_method ,
Day_cost ) values (444,8, 'cash' ,120);

Insert into bill (b_id , No_days , payment_method ,
Day_cost ) values (716,2, 'cash' ,400);

Insert into bill (b_id , No_days , payment_method ,
Day_cost ) values (945,1,'cash',370);

Insert into bill (b_id , No_days , payment_method ,
Day_cost) values (523,5,'visa',260);
```

Insert into bill (b_id , No_days , payment_method , Day_cost) values (800,7,'cash',230);

Insert into bill (b_id , No_days , payment_method , Day_cost) values (927,10,'visa',150);

Insert into bill (b_id , No_days , payment_method , Day_cost) values (777,8,'visa',240);

Insert into bill (b_id , No_days , payment_method , Day_cost) values (480,9,'cash',300);

EDIT	B_ID	NO_DAYS	PAYMENT_METHOD	DAY_COST	TOTAL_PRICE
✎	223	4	cash	230	920
✎	334	6	visa	180	1080
✎	444	8	cash	120	960
✎	716	2	cash	400	800
✎	945	1	cash	370	370
✎	523	5	visa	260	1300
✎	800	7	cash	230	1610
✎	927	10	visa	150	1500
✎	777	8	visa	240	1920
✎	480	9	cash	300	2700

row(s) 1 - 10 of 10

Hotel branches:

CREATE TABLE Hotel_Branches(

```sql
branch_id number(15) NOT NULL,region VARCHAR(30)
NOT NULL, Rating number (5)NOT NULL,Contact_Email
VARCHAR(30) NOT NULL,Contact_Phone number(13)
NOT NULL,PRIMARY KEY (branch_id));


INSERT into Hotel_Branches
VALUES(349,'Chicago',4,'info@ascot-
hotel.co.usa',3129404400);

INSERT into Hotel_Branches
VALUES(789552,'Rome',5,'info@ascot-
hotel.co.italy',3906772801);

INSERT into Hotel_Branches
VALUES(9877763,'paris',7,'info@ascot-
hotel.co.fr',+33186650740);

INSERT into Hotel_Branches
VALUES(887452,'Brazil',5,'info@ascot-
hotel.co.br',+33186650740);
```

```sql
INSERT into Hotel_Branches
VALUES(522645220,'barcelona',7,'info@ascot
hotel.co.sp',+34933194396);

INSERT into Hotel_Branches
VALUES(887454460,'Washington',5,'info@ascot-
hotel.co.us',+15096672775);

INSERT into Hotel_Branches
VALUES(9870030,'Beijing',4,'info@ascot-
hotel.co.chi',+861065133366);

INSERT into Hotel_Branches
VALUES(36665780,'Beirut',7,'info@ascot-
hotel.co.Leb',+9611371888);

INSERT into Hotel_Branches VALUES(100666354,'Buenos
Aires',7,'info@ascot-hotel.co.Arg',+543541420376);

INSERT into Hotel_Branches
VALUES(7554975,'Cartagena',4,'info@ascot-
hotel.co.col',+543541420376);
```

EDIT	BRANCH_ID	REGION	RATING	CONTACT_EMAIL	CONTACT_PHONE
✎	349	Chicago	4	info@ascot-hotel.co.usa	3129404400
✎	789552	Rome	5	info@ascot-hotel.co.italy	3906772801
✎	887452	Brazil	5	info@ascot-hotel.co.br	33186650740
✎	9877763	paris	7	info@ascot-hotel.co.fr	33186650740
✎	522645220	barcelona	7	info@ascot-hotel.co.sp	34933194396
✎	887454460	Washington	5	info@ascot-hotel.co.us	15096672775
✎	9870030	Beijing	4	info@ascot-hotel.co.chi	861065133366
✎	36665780	Beirut	7	info@ascot-hotel.co.Leb	9611371888
✎	100666354	Buenos Aires	7	info@ascot-hotel.co.Arg	543541420376
✎	7554975	Cartagena	4	info@ascot-hotel.co.col	543541420376

row(s) 1 - 10 of 10

ROOMS:

Create table Rooms(room_number number(15),

Level_no number(15) NOT NULL,

View_R number(1,0) NOT NULL,

Beds number(15) NOT NULL,

branch_id number(15) NOT NULL,

Constraint room_no_pk PRIMARY
KEY(room_number),

```sql
        Constraint branch_id_fk FOREIGN KEY(branch_id)
REFERENCES Hotel_Branches(branch_id));



insert into Rooms values(2233, 9, 1, 2, 349);

insert into Rooms values(111, 1, 0, 1, 789552);

insert into Rooms values(555, 5, 1, 1, 9877763);

insert into Rooms values(2121, 8, 1, 2, 887452);

insert into Rooms values(151, 1, 1, 1, 349);

insert into Rooms values(3838, 10, 1, 2, 522645220);

insert into Rooms values(230, 4, 0, 1, 887452);

insert into Rooms values(2909, 9, 0, 2, 887454460);

insert into Rooms values(2605, 8, 1, 2, 9877763);

insert into Rooms values(170, 2, 0, 1, 887454460);

insert into Rooms values(1001, 1, 1, 2, 522645220);

insert into Rooms values(120, 1, 0, 1, 9870030);

insert into Rooms values(190, 3, 1, 1, 9870030);
```

insert into Rooms values(2106, 8, 1, 2, 7554975);

insert into Rooms values(144, 2, 1, 1, 36665780);

insert into Rooms values(3103, 10, 1, 2, 100666354);

insert into Rooms values(345,3,0,1, 36665780);

insert into Rooms values(2345, 9, 0, 2, 100666354);

insert into Rooms values(2302, 8, 1, 2, 7554975);

insert into Rooms values(999, 6, 0, 1, 789552);

EDIT	ROOM_NUMBER	LEVEL_NO	VIEW_R	BEDS	BRANCH_ID
✏	2233	9	1	2	349
✏	111	1	0	1	789552
✏	555	5	1	1	9877763
✏	2121	8	1	2	887452
✏	151	1	1	1	349
✏	3838	10	1	2	522645220
✏	230	4	0	1	887452
✏	2909	9	0	2	887454460
✏	2605	8	1	2	9877763
✏	170	2	0	1	887454460
✏	1001	1	1	2	522645220
✏	120	1	0	1	9870030
✏	190	3	1	1	9870030
✏	2106	8	1	2	7554975
✏	144	2	1	1	36665780

row(s) 1 - 15 of 20 ⊙

EDIT	ROOM_NUMBER	LEVEL_NO	VIEW_R	BEDS	BRANCH_ID
	3103	10	1	2	100666354
	345	3	0	1	36665780
	2345	9	0	2	100666354
	2302	8	1	2	7554975
	999	6	0	1	789552

row(s) 16 - 20 of 20

Single room:

CREATE TABLE single_room

 (full_bathroom varchar (5) NOT NULL,

room_number NUMBER (15) NOT NULL,

CONSTRAINT pk_sr PRIMARY KEY (room_number),

CONSTRAINT fk_sr FOREIGN KEY (room_number) REFERENCES

Rooms(room_number));

double room:

CREATE TABLE double_room

(no_person NUMBER (5) NOT NULL,

room_number NUMBER (15) NOT NULL,

CONSTRAINT pk_dr PRIMARY KEY (room_number),

CONSTRAINT fk_dr FOREIGN KEY (room_number) REFERENCES Rooms(room_number));

Insert statements:

Insert into single_room values ('YES' , 170);

Insert into single_room values ('NO' , 230);

Insert into single_room values ('NO' , 151);

Insert into single_room values ('NO' , 555);

Insert into single_room values ('YES' , 111);

Insert into single_room values ('YES' , 190);

Insert into single_room values ('YES' , 999);

Insert into single_room values ('NO' , 144);

Insert into single_room values ('NO' , 120);

Insert into single_room values ('NO' , 345);

EDIT	FULL_BATHROOM	ROOM_NUMBER
	YES	170
	NO	230
	NO	151
	NO	555
	YES	111
	YES	190
	YES	999
	NO	144
	NO	120
	NO	345
		row(s) 1 - 10 of 10

Insert into double_room values (2 , 2302);

Insert into double_room values (2 , 2345);

Insert into double_room values (2 , 3103);

Insert into double_room values (2 , 2106);

Insert into double_room values (2, 1001);

Insert into double_room values (2 , 2605);

Insert into double_room values (2 , 2909);

Insert into double_room values (2, 3838);

Insert into double_room values (2, 2121);

Insert into double_room values (2 , 2233);

EDIT	NO_PERSON	ROOM_NUMBER
📝	2	2302
📝	2	2345
📝	2	3103
📝	2	2106
📝	2	1001
📝	2	2605
📝	2	2909
📝	2	3838
📝	2	2121
📝	2	2233
		row(s) 1 - 10 of 10

Review:

```
CREATE TABLE Review
(
    R_ID number(6) NOT NULL,
    Type VARCHAR(10) NOT NULL,
    Date_rev date NOT NULL,
    branch_id number(15) NOT NULL,
    ssn number(6) NOT NULL,
    PRIMARY KEY (R_ID),
  CONSTRAINT reviewhotel_fk FOREIGN KEY
(branch_id)REFERENCES
Hotel_Branches(branch_id),
CONSTRAINT reviewcust_fk  FOREIGN KEY (ssn)
REFERENCES Customer(ssn) );
```

Insert into Review values (123 ,'good' ,'19-SEP-2020' ,349,333);

Insert into Review values (124 , 'good' , '23-SEP-2020' , 789552 ,543);

Insert into Review values (125 , 'very good' , '18-OCT-2020' , 887452 ,754);

Insert into Review values (126 , 'not good' , '27-DEC-2020' , 9877763 ,666);

Insert into Review values (127 , 'good' , '19-JAN-2020' , 522645220 ,471);

Insert into Review values (128 , 'not bad' , '17-FEB-2020' , 887454460 ,303);

Insert into Review values (129 , 'not good' , '25-SEP-2020' , 9870030 ,339);

Insert into Review values (133 , 'not good' , '19-JUNE-2020' , 36665780 ,344);

EDIT	R_ID	TYPE	DATE_REV	BRANCH_ID	SSN
✎	123	good	09/19/2020	349	333
✎	124	good	09/23/2020	789552	543
✎	125	very good	10/18/2020	887452	754
✎	126	not good	12/27/2020	9877763	666
✎	127	good	01/19/2020	522645220	471
✎	128	not bad	02/17/2020	887454460	303
✎	129	not good	09/25/2020	9870030	339
✎	133	not good	06/19/2020	36665780	344
✎	134	very good	05/30/2020	100666354	213
✎	135	good	10/28/2020	7554975	111
				row(s) 1 - 10 of 10	

Employee:

```
CREATE TABLE employee
(
  e_id NUMBER(6) NOT NULL,
  First_Name VARCHAR(10)  NOT NULL,
  Last_Name VARCHAR(10) NOT NULL,
  depart_name VARCHAR(20) NOT NULL,
  branch_id NUMBER(15) NOT NULL,
  PRIMARY KEY (e_id),
  FOREIGN KEY (branch_id) REFERENCES
Hotel_Branches(branch_id)
);
```

```sql
insert into employee
values(108826,'William','pantherson','Finance',349);

insert into employee
values(110263,'Gerard','Bondur','Marketing',789552);

insert into employee
values(114324,'Anthony','Bow','Finance',887452);

insert into employee
values(116522,'Leslie','Thampson','Audit',9877763);

insert into employee
values(881165,'Julie','Firrelli','Audit',522645220);

insert into employee
values(612133,'Steve','Patterson','Audit',887454460);

insert into employee
values(682193,'George','Vanouf','Marketing',9870030);

insert into employee
values(313741,'Loui','Bondur','Finance',36665780);

insert into employee
```

values(233956,'Gerard','Hemandez','Marketing',1006663
54);

insert into employee

values(410123,'Pamela','Castillo','Audit',7554975);

EDIT	E_ID	FIRST_NAME	LAST_NAME	DEPART_NAME	BRANCH_ID
✎	108826	William	pantherson	Finance	349
✎	110263	Gerard	Bondur	Marketing	789552
✎	114324	Anthony	Bow	Finance	887452
✎	116522	Leslie	Thampson	Audit	9877763
✎	881165	Julie	Firrelli	Audit	522645220
✎	682193	George	Vanouf	Marketing	9870030
✎	313741	Loui	Bondur	Finance	36665780
✎	233956	Gerard	Hemandez	Marketing	100666354
✎	410123	Pamela	Castillo	Audit	7554975
✎	612133	Steve	Patterson	Audit	887454460

row(s) 1 - 10 of 10

Registration_way:

Create table registration_way (

re_ssn number(2) not null primary key,

gender varchar (6) not null ,

address varchar (30) not null ,

nationality varchar (20) not null ,

```sql
martial_status varchar(28) not null,

re_date date not null ,

check_in_date date not null ,

check_out_date date not null

,duration number(5) as(EXTRACT (DAY FROM
to_date(check_out_date , 'dd-mm-yyyy'))

  - EXTRACT (DAY FROM to_date(check_in_date, 'dd-mm-
yyyy')))

);

Insert into registration_way (re_ssn, gender , address ,
nationality , martial_status, re_date , check_in_date,
check_out_date  ) values (23,'female','A', 'german' ,
'married', '03-AUG-2019' , '26-AUG-2019' , '30-AUG-
2019');

Insert into registration_way (re_ssn, gender , address ,
nationality , martial_status, re_date , check_in_date,
check_out_date  ) values (14,'male' , 'B', 'irish' , 'married',
'08-SEP-2020' , '14-SEP-2020' , '30-SEP-2020');
```

Insert into registration_way (re_ssn, gender , address , nationality , martial_status, re_date , check_in_date, check_out_date) values (67,'female', 'C', 'spanish' , 'single', '12-OCT-2019' , '14-OCT-2019' , '19-OCT-2019');

Insert into registration_way (re_ssn, gender , address , nationality , martial_status, re_date , check_in_date, check_out_date) values (84 ,'male', 'D', 'german' , 'married', '01-JUNE-2019' , '18-JUNE-2019' , '26-AUG-2019');

Insert into registration_way (re_ssn, gender , address , nationality , martial_status, re_date , check_in_date, check_out_date) values (26 ,'female' ,'E', 'nigerian' , 'single', '04-JUN-2018' , '19-JUN-2018' , '22-JUN-2018');

Insert into registration_way (re_ssn, gender , address , nationality , martial_status, re_date , check_in_date, check_out_date) values (98,'female','F', 'canadian' , 'married', '15-JULY-2020' , '16-JULY-2020' , '20-JULY-2020');

Insert into registration_way (re_ssn, gender , address , nationality , martial_status, re_date , check_in_date,

check_out_date) values (83 ,'male','G', 'indian' , 'single', '02-AUG-2019' , '05-AUG-2019' , '10-AUG-2019');

Insert into registration_way (re_ssn, gender , address , nationality , martial_status, re_date , check_in_date, check_out_date) values (44,'male','H', 'chinese' , 'single', '08-SEP-2017' , '26-SEP-2017' , '28-SEP-2017');

Insert into registration_way (re_ssn, gender , address , nationality , martial_status, re_date , check_in_date, check_out_date) values (10,'female','K', 'Japanese' , 'married', '04-DEC-2019' , '23-DEC-2019' , '30-DEC-2019');

Insert into registration_way (re_ssn, gender , address , nationality , martial_status, re_date , check_in_date, check_out_date) values (22 ,'male','T', 'british' , 'single', '14-DEC-2016' , '28-DEC-2016' , '31-DEC-2016');

Insert into registration_way (re_ssn, gender , address , nationality , martial_status, re_date , check_in_date, check_out_date) values (90 ,'male', 'W', 'indian' , 'single', '4-DEC-2014' , '5-DEC-2014' , '13-DEC-2014');

Insert into registration_way (re_ssn, gender , address , nationality , martial_status, re_date , check_in_date,

check_out_date) values (78 ,'female' ,'P', ' Japanese ' , ' married ', '12-NOV-2018' , '13-NOV-2018' , '15-NOV-2018');

Insert into registration_way (re_ssn, gender , address , nationality , martial_status, re_date , check_in_date, check_out_date) values (12 ,'male', 'L', 'german' , 'single', '21-SEP-2021' , '22-DEC-2021' , '23-DEC-2021');

Insert into registration_way (re_ssn, gender , address , nationality , martial_status, re_date , check_in_date, check_out_date) values (04 ,'female', 'S', ' chinese ' , ' married', '07-NOV-2021' , '25-NOV-2021' , '28-NOV-2021');

Insert into registration_way (re_ssn, gender , address , nationality , martial_status, re_date , check_in_date, check_out_date) values (66 ,'female', 'Q', 'british' , 'single', '21-OCT-2015' , '24-OCT-2015' , '29-OCT-2015');

Insert into registration_way (re_ssn, gender , address , nationality , martial_status, re_date , check_in_date, check_out_date) values (94 ,'male','M', 'canadian' ,

'single', '08-JUNE-2014' , '09-JUNE-2014' , '18-JUNE-2014');

Insert into registration_way (re_ssn, gender , address , nationality , martial_status, re_date , check_in_date, check_out_date) values (88 ,'male','N', 'spanish' , 'married', '09-JUN-2020' , '12-JUN-2020' , '17-JUN-2020');

Insert into registration_way (re_ssn, gender , address , nationality , martial_status, re_date , check_in_date, check_out_date) values (99 ,'female', 'O', 'german' , 'single', '02-MAR-2013' , '04-MAR-2013' , '6-MAR-2013');

Insert into registration_way (re_ssn, gender , address , nationality , martial_status, re_date , check_in_date, check_out_date) values (48 ,'male' , 'Z', 'russian' , 'single', '01-NOV-2021' , '06-NOV-2021' , '09-NOV -2021');

Insert into registration_way (re_ssn, gender , address , nationality , martial_status, re_date , check_in_date, check_out_date) values (01 ,'female' , 'V', 'egyption' , 'married', '04-JUL-2021' , '22-JUL-2021' , '28-JUL -2021');

EDIT	RE_SSN	GENDER	ADDRESS	NATIONALITY	MARTIAL_STATUS	RE_DATE	CHECK_IN_DATE	CHECK_OUT_DATE	DURATION
✎	23	female	A	german	married	08/03/2019	08/26/2019	08/30/2019	4
✎	14	male	B	irish	married	09/08/2020	09/14/2020	09/30/2020	16
✎	67	female	C	spanish	single	10/12/2019	10/14/2019	10/19/2019	5
✎	84	male	D	german	married	06/01/2019	06/18/2019	08/26/2019	8
✎	26	female	E	nigerian	single	06/04/2018	06/19/2018	06/22/2018	3
✎	98	female	F	canadian	married	07/15/2020	07/16/2020	07/20/2020	4
✎	83	male	G	indian	single	08/02/2019	08/05/2019	08/10/2019	5
✎	44	male	H	chinese	single	09/08/2017	09/26/2017	09/28/2017	2
✎	10	female	K	Japanese	married	12/04/2019	12/23/2019	12/30/2019	7
✎	22	male	T	british	single	12/14/2016	12/28/2016	12/31/2016	3
✎	90	male	W	indian	single	12/04/2014	12/05/2014	12/13/2014	8
✎	78	female	P	Japanese	married	11/12/2018	11/13/2018	11/15/2018	2
✎	12	male	L	german	single	09/21/2021	12/22/2021	12/23/2021	1
✎	4	female	S	chinese	married	11/07/2021	11/25/2021	11/28/2021	3
✎	66	female	Q	british	single	10/21/2015	10/24/2015	10/29/2015	5

row(s) 1 - 15 of 20 ⊙

EDIT	RE_SSN	GENDER	ADDRESS	NATIONALITY	MARTIAL_STATUS	RE_DATE	CHECK_IN_DATE	CHECK_OUT_DATE	DURATION
✎	94	male	M	canadian	single	06/08/2014	06/09/2014	06/18/2014	9
✎	88	male	N	spanish	married	06/09/2020	06/12/2020	06/17/2020	5
✎	99	female	O	german	single	03/02/2013	03/04/2013	03/06/2013	2
✎	48	male	Z	russian	single	11/01/2021	11/06/2021	11/09/2021	3
✎	1	female	V	egyption	married	07/04/2021	07/22/2021	07/28/2021	6

⊙ row(s) 16 - 20 of 20

Website:

CREATE TABLE website(Re_ssn number(2),user_name varchar(25),password varchar(8),email varchar(35) , PRIMARY KEY (Re_ssn),

  FOREIGN KEY (Re_ssn) REFERENCES registration_way(Re_ssn),

UNIQUE (User_name)

);

INSERT INTO website
values(23,'aldelaide_gavril98','gavril98','a.gavril989@gmail.com');

INSERT INTO website
values(14,'alice_caleb','899763ac','alicecaleb865@yahoo.com');

INSERT INTO website
values(67,'amber_clark89','amber455','amberclark89@hotmail.com');

INSERT INTO website
values(84,'viola_armania53','viola675','armania53@gmail.com');

INSERT INTO website
values(26,'elain_marinette88','mari5698','emarinette89513245@gmail.com');

INSERT INTO website
values(98,'claude_alastair78','25111989','claudealastair4555@yahoo.com');

INSERT INTO website
values(83,'aillard_nikolaus96','an963852','nikolausaillard899@hotmail.com');

INSERT INTO website
values(44,'gaven_rowan41','rou89523','gavenrowan966@gmail.com');

INSERT INTO website
values(10,'zander_radleyyy99','radley78','zander899@gmail.com');

INSERT INTO website
values(22,'cassidy_yvette788','8966cayv','
cassidyyvette88999@hotmail.com');

EDIT	RE_SSN	USER_NAME	PASSWORD	EMAIL
📝	23	aldelaide_gavril98	gavril98	a.gavril989@gmail.com
📝	14	alice_caleb	899763ac	alicecaleb865@yahoo.com
📝	84	viola_armania53	viola675	armania53@gmail.com
📝	26	elain_marinette88	mari5698	emarinette89513245@gmail.com
📝	98	claude_alastair78	25111989	claudealastair4555@yahoo.com
📝	83	aillard_nikolaus96	an963852	nikolausaillard899@hotmail.com
📝	44	gaven_rowan41	rou89523	gavenrowan966@gmail.com
📝	10	zander_radleyyy99	radley78	zander899@gmail.com
📝	22	cassidy_yvette788	8966cayv	cassidyyvette88999@hotmail.com
📝	67	amber_clark89	amber455	amberclark89@hotmail.com
				row(s) 1 - 10 of 10

registration_way_phone

CREATE TABLE registration_way_phone

(

  phone NUMBER(15) NOT NULL,

  Re_ssn NUMBER(2) NOT NULL,

  PRIMARY KEY (phone, Re_ssn),

  FOREIGN KEY (Re_ssn) REFERENCES
registration_way(Re_ssn)

```sql
);

insert into registration_way_phone
values(07556100000,23);

insert into registration_way_phone
values(02114276697,14);

insert into registration_way_phone
values(04066515151,67);

insert into registration_way_phone
values(08916677666,14);

insert into registration_way_phone
values(9437015108,26);

insert into registration_way_phone
value(9831021536,26);

insert into registration_way_phone
values(7575011470,83);

insert into registration_way_phone
```

values(9925212007,44);

insert into registration_way_phone

values(9824214976,04);

insert into registration_way_phone

values(9909954999,04);

insert into registration_way_phone

values(08916677556,67);

EDIT	PHONE	RE_SSN
✎	2114276697	14
✎	3575011451	83
✎	4066515151	67
✎	7556100000	23
✎	7575011470	83
✎	8916677556	67
✎	8916677666	14
✎	9437015108	26
✎	9824214976	4
✎	9909954999	4
✎	9925212007	44
	row(s) 1 - 11 of 11	

Form:

CREATE TABLE form

(

```sql
  signature VARCHAR(3) NOT NULL,

  Re_ssn NUMBER(2) NOT NULL,

  e_id NUMBER(6) NOT NULL,

  PRIMARY KEY (Re_ssn),

  FOREIGN KEY (Re_ssn) REFERENCES
registration_way(Re_ssn),

  FOREIGN KEY (e_id) REFERENCES employee(e_id)

);


insert into form

values('W.P',90,108826);

insert into form

values('G.B',78,110263);

insert into form

values('A.B',12,114324);

insert into form

values('L.T',04,116522);
```

```sql
insert into form

values('J.F',66,881165);

insert into form

values('S.P',94,612133);

insert into form

values('G.V',88,682193);

insert into form

values('L.B',99,313741);

insert into form

values('G.H',48,233956);

insert into form

values('P.C',01,410123);
```

EDIT	SIGNATURE	RE_SSN	E_ID
🖉	W.P	90	108826
🖉	G.B	78	110263
🖉	A.B	12	114324
🖉	L.T	4	116522
🖉	J.F	66	881165
🖉	S.P	94	612133
🖉	G.V	88	682193
🖉	L.B	99	313741
🖉	G.H	48	233956
🖉	P.C	1	410123
		row(s) 1 - 10 of 10	

Inheritance in Subtype of rooms:

select rooms.* ,single_room.full_bathroom from rooms,single_room where rooms.room_number=single_room.room_number;

ROOM_NUMBER	LEVEL_NO	VIEW_R	BEDS	BRANCH_ID	FULL_BATHROOM
111	1	0	1	789552	YES
555	5	1	1	9877763	NO
151	1	1	1	349	NO
230	4	0	1	887452	NO
170	2	0	1	887454460	YES
120	1	0	1	9870030	NO
190	3	1	1	9870030	YES
144	2	1	1	36665780	NO
345	3	0	1	36665780	NO
999	6	0	1	789552	YES

select rooms.* ,double_room.no_person from
rooms,double_room where
rooms.room_number=double_room.room_number;

ROOM_NUMBER	LEVEL_NO	VIEW_R	BEDS	BRANCH_ID	NO_PERSON
2233	9	1	2	349	2
2121	8	1	2	887452	2
3838	10	1	2	522645220	2
2909	9	0	2	887454460	2
2605	8	1	2	9877763	2
1001	1	1	2	522645220	2
2106	8	1	2	7554975	2
3103	10	1	2	100666354	2
2345	9	0	2	100666354	2
2302	8	1	2	7554975	2

Inheritance in Subtype of registration _way:

select registration_way.* ,form.signature from
registration_way ,form where
registration_way.re_ssn=form.re_ssn;

| RE_SSN	GENDER	ADDRESS	NATIONALITY	MARTIAL_STATUS	RE_DATE	CHECK_IN_DATE	CHECK_OUT_DATE	DURATION	SIGNATURE
90	male	W	indian	single	12/04/2014	12/05/2014	12/13/2014	8	W.P
78	female	P	Japanese	married	11/12/2018	11/13/2018	11/15/2018	2	G.B
12	male	L	german	single	09/21/2021	12/22/2021	12/23/2021	1	A.B
4	female	S	chinese	married	11/07/2021	11/25/2021	11/28/2021	3	L.T
66	female	Q	british	single	10/21/2015	10/24/2015	10/29/2015	5	J.F
94	male	M	canadian	single	06/08/2014	06/09/2014	06/18/2014	9	S.P
88	male	N	spanish	married	06/09/2020	06/12/2020	06/17/2020	5	G.V
99	female	O	german	single	03/02/2013	03/04/2013	03/06/2013	2	L.B
48	male	Z	russian	single	11/01/2021	11/06/2021	11/09/2021	3	G.H
1	female	V	egyption	married	07/04/2021	07/22/2021	07/28/2021	6	P.C

select registration_way.* ,website.user_name, website.password,website.email from registration_way ,website where registration_way.re_ssn=website.re_ssn;

EDIT	RE_SSN	USER_NAME	PASSWORD	EMAIL
	23	aldelaide_gavril98	gavril98	a.gavril989@gmail.com
	14	alice_caleb	899763ac	alicecaleb865@yahoo.com
	84	viola_armania53	viola675	armania53@gmail.com
	26	elain_marinette88	mari5698	emarinette89513245@gmail.com
	98	claude_alastair78	25111989	claudealastair4555@yahoo.com
	83	aillard_nikolaus96	an963852	nikolausaillard899@hotmail.com
	44	gaven_rowan41	rou89523	gavenrowan966@gmail.com
	10	zander_radleyyy99	radley78	zander899@gmail.com
	22	cassidy_yvette788	8966cayv	cassidyyvette88999@hotmail.com
	67	amber_clark89	amber455	amberclark89@hotmail.com
				row(s) 1 - 10 of 10