--Q1 Select * from hotel where city='London' ORDER BY hotelname DESC;

	hotelno	hotelname	city
1	ch02	Phoenix Park	London
2	ch01	Omni Shoreham	London
3	fb01	Grosvenor	London

--Q2 select * from hotel where hotelname like '__t%';

	hotelno	hotelname	city
1	dc01	Latham	Berlin
2	fb02	Watergate	Paris

--Q3 select * from Booking where dateto is NULL;

	_				
	hotelno	guestno	datefrom	dateto	roomno
1	ch01	10006	2021-04-04	NULL	1101
2	dc01	10003	2020-04-05	NULL	1001
3	fb01	10001	2001-04-05	NULL	701

--Q4 select guestname, guestaddress from guest where guestaddress like '%Glasgow%' AND (guestname LIKE '%Tony %' OR guestname LIKE '% Farrel%');

```
guestname guestaddress
1 Carol Farrel 6 Achray St, Glasgow
2 Tony Shaw 12 Park Pl, Glasgow
```

```
--Q5 select R.roomno, R.hotelno from Room as R inner join Booking as B on R.hotelno = B.hotelno AND R.roomno = B.roomno where Year(B.datefrom) \le 2010 AND Year(B.datefrom) >= 2005;
```

```
| roomno | hotelno | 1 | 1001 | fb02
```

```
--Q6
select roomno from room where hotelno='ch02' AND type='single' AND price > 20 AND
price < 40;</pre>
```



--Q7 select top 1 roomno, hotelno from room ORDER BY price DESC;

```
| roomno | hotelno | 1 | 1101 | fb02
```

```
--Q8
select ('The hotel whose id is ' + hotelno + ' is in ' + city + ' and its name
is' + hotelname + '.') AS operatorMethod from hotel;
```

```
operatorMethod

The hotel whose id is ch01 is in London and its name isOmni Shoreham.

The hotel whose id is ch02 is in London and its name isPhoenix Park.

The hotel whose id is dc01 is in Berlin and its name isLatham.

The hotel whose id is fb01 is in London and its name isGrosvenor.

The hotel whose id is fb02 is in Paris and its name isWatergate.
```

```
select CONCAT('The hotel whose id is ' , hotelno , ' is in ' , city , ' and its
name is' , hotelname , '.') AS functionMethod from hotel;
```

```
functionMethod

The hotel whose id is ch01 is in London and its name isOmni Shoreham.

The hotel whose id is ch02 is in London and its name isPhoenix Park.

The hotel whose id is dc01 is in Berlin and its name isLatham.

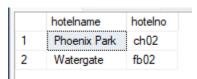
The hotel whose id is fb01 is in London and its name isGrosvenor.

The hotel whose id is fb02 is in Paris and its name isWatergate.
```

```
--Q9
select h.hotelname, h.hotelno from hotel AS h inner join room as r on r.hotelno =
h.hotelno where r.type='double'
intersect
select h.hotelname, h.hotelno from hotel AS h inner join room as r on r.hotelno =
h.hotelno where r.type='family';
```

	hotelname	hotelno
1	Latham	dc01
2	Grosvenor	fb01

```
--Q10
(select h.hotelname, h.hotelno from hotel AS h inner join room as r on r.hotelno
= h.hotelno where r.type='double'
intersect
select h.hotelname, h.hotelno from hotel AS h inner join room as r on r.hotelno =
h.hotelno where r.type='single')
except
select h.hotelname, h.hotelno from hotel AS h inner join room as r on r.hotelno =
h.hotelno where r.type='family';
```



```
--Q11
(select r.roomno from room as r inner join booking as b on r.roomno = b.roomno where b.guestno = 10003 intersect select r.roomno from room as r inner join booking as b on r.roomno = b.roomno where b.guestno = 10007) except select r.roomno from room as r inner join booking as b on r.roomno = b.roomno where b.guestno = 10001;
```

roomno

1 1001