

```
--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) <= 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;
```

roomno

```
--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
1	The hotel whose id is ch01 is in London and its name isOmni Shoreham.
2	The hotel whose id is ch02 is in London and its name isPhoenix Park.
3	The hotel whose id is dc01 is in Berlin and its name isLatham.
4	The hotel whose id is fb01 is in London and its name isGrosvenor.
5	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
1	The hotel whose id is ch01 is in London and its name isOmni Shoreham.
2	The hotel whose id is ch02 is in London and its name isPhoenix Park.
3	The hotel whose id is dc01 is in Berlin and its name isLatham.
4	The hotel whose id is fb01 is in London and its name isGrosvenor.
5	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';
```

	hotelname	hotelno
1	Phoenix Park	ch02
2	Watergate	fb02

```
--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	