use [Hotel Reservation] ;

create table Employees(

E\_ID int primary key ,

E\_Name varchar(255) ,

E\_Address varchar(255) ,

E\_Phone int

);

create table HotelBooking (

H\_ID int primary key ,

H\_Name varchar(255) ,

H\_Location varchar(255) ,

H\_Phone int ,

E\_ID int foreign key references Employees(E\_ID)

);

create table Room (

R\_ID INT PRIMARY KEY ,

Rdescription varchar(255) ,

H\_ID int foreign key references HotelBooking(H\_ID)

);

create table Customers (

C\_ID int primary key ,

C\_Name varchar(255) ,

C\_Email varchar(255) ,

C\_Phone int

);

create table Booking (

B\_ID int primary key ,

B\_Date int ,

R\_ID int foreign key references Room (R\_ID) ,

C\_ID int foreign key references Customers (C\_ID) ,

price int

);

use [Hotel Reservation] ;

insert into Employees

values (1 , ' ahmed amr' , 'alex.' , 1111);

insert into Customers

values (2 , ' ahmed' , 'ahmed@gmail.com' , 2222);

insert into HotelBooking (H\_ID , H\_Name , H\_Location , H\_Phone)

values (3 , 'Azor' , 'alex.' , 3333);

insert into Room (R\_ID , Rdescription)

values (4 , 'single');

insert into Booking (B\_ID , B\_Date , price)

values (5 , 20/3/2019 , 25 );

use [Hotel Reservation] ;

insert into Employees

values (6 , 'Yara m7md' , 'cairo' , 1211);

insert into customers

values (7 , 'ali' , 'ali@gmail.com' , 2222);

insert into HotelBooking (H\_ID , H\_Name , H\_Location , H\_Phone)

values (8 , 'tolip' , 'alex.' , 8888);

insert into Room (R\_ID , Rdescription)

values (9 , 'double');

insert into Booking (B\_ID , B\_Date , price)

values (10 , 6/5/2019 , 18 );

delete from Employees where E\_ID = 6 ;

delete from Customers where C\_Email = 'aliali@gmail.com' ;

delete from HotelBooking where H\_phone = 8888 ;

delete from Room where Rdescription = 'double' ;

delete from Booking where B\_Date = 6/5/2019 ;

update Employees

set E\_Address = 'cairo'

where E\_ID = 1 ;

update Customers

set C\_Email = 'ahmed@gmail.com'

where C\_Email = 'ali@gmail.com' ;

update HotelBooking

set H\_Name = 'nile'

where H\_Name = 'Azor' ;

update Room

set Rdescription = 'trible'

where R\_ID = 4 ;

update Booking

set B\_Date = 30/8/2019

where B\_ID = 5 ;

select Rdescription , H\_Name

from Room

inner join HotelBooking on Room.H\_ID = HotelBooking.H\_ID ;

select H\_Location,E\_Address

from HotelBooking

left join Employees on HotelBooking.E\_ID = Employees.E\_ID

select Rdescription , price

from Room

right join Booking on Booking.R\_ID = room.r\_ID ;

select B\_Date , c\_Name

from Booking

full join Customers on Booking.C\_ID = Customers.C\_ID ;

select H\_Phone , E\_Phone

from HotelBooking , Employees

where HotelBooking.E\_ID = Employees.E\_ID ;

select count(price) , B\_ID

from Booking

group by B\_ID ;

select count(E\_ID), H\_Name

from HotelBooking

group by H\_Name ;

select Rdescription

from Room

where R\_ID = (select R\_ID from Booking where R\_ID = 2) ;

select C\_Name , C\_Email

from Customers

where C\_Phone > (select count(B\_ID) from Booking ) ;

select H\_Location

from HotelBooking

where H\_Location = (select E\_Address from Employees where E\_Address = 'cairo') ;

use [Hotel Reservation] ;

select Rdescription

from Room ;

select \*

from HotelBooking ;

select distinct B\_Date

from Booking ;

SELECT TOP 10 \*

FROM employees ;

SELECT TOP 10 PERCENT C\_Name

FROM Customers;

SELECT B\_ID

FROM Booking

ORDER BY B\_date;

SELECT B\_ID

FROM Booking

ORDER BY price desc ;

SELECT H\_Name

FROM HotelBooking

ORDER BY H\_Location ASC;

SELECT MIN(price)

FROM Booking ;

select MAX(price)

from Booking ;

SELECT AVG(B\_Date)

FROM Booking ;

SELECT SUM(B\_Date)

FROM Booking ;

SELECT \*

FROM HotelBooking

WHERE H\_ID = 1 ;

SELECT C\_Name

FROM Customers

WHERE C\_Name LIKE '%n%';

SELECT C\_Name

FROM Customers

WHERE C\_Name IN ('Nabil', 'nadr');

SELECT H\_Name AS staffName

FROM HotelBooking;

SELECT B\_ID

FROM Booking

WHERE Price BETWEEN 50 AND 80;

SELECT E\_Phone , E\_Address

FROM Employees

WHERE E\_Name IN ('Nabil', 'nadr') AND E\_Name LIKE '%n%' ;

SELECT E\_Phone , E\_Address

FROM Employees

WHERE E\_Name IN ('Nabil', 'nadr') or E\_Name LIKE '%n%' ;

SELECT B\_ID

FROM Booking

WHERE NOT price = 100;