create table rooms (

room\_id int not null primary key,

room\_condition varchar(255) not null,

type\_of\_rooms varchar(255) not null,

room\_price varchar not null

);

INSERT INTO rooms(room\_id,room\_condition,type\_of\_rooms,room\_price)

VALUES

(01,'free', 'Single','40$'),

(02,'busy','Double','60$'),

(03, 'busy','Triple','80$'),

(04,'busy',' Quad','115$'),

(05,'busy','Double-double','100$'),

(06,'busy','Suite','130$'),

(07,'busy','The Presidential Suite','350$'),

(08,'busy','Connecting room','85$'),

(09,'free',' Studio','60$'),

(010,'busy',' Junior Suite','180$');

Create table employee\_position(

position\_id int not null primary key,

position varchar not null,

age int not null,

salary int not null,

duties text not null

);

INSERT INTO employee\_position(position\_id,position,age,salary,duties)

VALUES

(201,'Director','60','1200','To achieve revenue, profit and customer satisfaction goals by overseeing and managing each department within the hotel'),

(202,'Administrator','37','900','the reception and the registration of guests, monitoring of the guest requests fulfillment, informing of the other hotel services about arriving and departing guest'),

(203,'Barman','24','800','verify the identification and age of customers, prepare and serve alcoholic beverages'),

(204,'Maid','26','600','responsible for keeping rooms clean and tidy'),

(205,'Chef','40','950','responsible for quality control and tasting the dishes'),

(206,'Switchboard','35','950','meeting guests, receiving mail, receiving phone calls from hotel guests, keeping a list of arrivals and departures'),

(207,'Animator','20','1100','create an animation/entertainment programme for the hotel, encourage guest participation in activities'),

(208,'Waiter','25','850','Giving customers suggestions for food and drinks and telling them about any special menu items'),

(209,'Security guard','30','500','respond to individual guest needs and concerns'),

(210,'Manager','25','950','recruiting, training and supervising staff,managing budgets');

Create table employees (

employee\_id int not null primary key,

position\_id int not null ,

firstname varchar not null,

lastname varchar not null,

telephone varchar not null,

date\_of\_birth date not null,

date\_of\_adoption date not null,

FOREIGN KEY (position\_id) references employee\_position (position\_id)

);

INSERT INTO employees(position\_id,employee\_id,firstname,lastname,telephone,date\_of\_birth,date\_of\_adoption)

VALUES

(201,100,'Frank', 'Adanez','+1 220-628-0004','10/8/1960', '3/8/2015'),

(202,101,'Kile', 'Carff','+1 320-480-5683','2/3/1983', '11/9/2012'),

(203,102,'Shandeigh', 'Nazaret','+1 402-613-1059','22/7/1996', '5/5/2015'),

(204,103,'Alys', 'McQuode','+1 210-747-1839','25/8/1994', '4/5/2013'),

(205,104,'Chevy', 'Wyleman','+1 628-518-0158', '16/9/1980','2/6/2015'),

(206,105,'Twyla', 'Bright','+1 218-380-9519','21/4/1985', '4/2/2011'),

(207,106,'Lind', 'Sully','+1 202-889-2982','2/3/2000', '3/11/2017'),

(208,107,'Faulkner', 'Lushey','+1 407-779-1554','28/11/1995', '11/11/2018'),

(209,108,'Fin', 'Bickford','+1 202-628-0494','1/2/1990', '10/10/2016'),

(210,109,'Edi', 'Volant','+1 210-634-6522','10/7/1995', '12/12/2016');

create table included\_services (

included\_services\_id int not null primary key,

room\_id int not null ,

type\_of\_services varchar not null,

time\_spending text not null,

FOREIGN KEY (room\_id) references rooms(room\_id)

);

INSERT INTO included\_services(included\_services\_id,room\_id,type\_of\_services,time\_spending)

VALUES

(111,01,'spa, gym, breakfast','breakfast 7:00'),

(112,02,'spa, gym, breakfast','breakfast 7:00'),

(113,03,'spa, gym, breakfast','breakfast 7:00'),

(114,04,'spa, gym, breakfast','spa-16:00, gym-any time, breakfast 7:00'),

(115,05,'spa, gym, breakfast','spa-16:00, gym-any time, breakfast 7:00'),

(116,06,'spa, gym, breakfast','spa-16:00, gym-any time, breakfast 7:00'),

(117,07,'spa, gym, breakfast','spa-16:00, gym-any time, breakfast 7:00,lunch 12:00,dinner 19:00'),

(118,08,'spa, gym, breakfast','breakfast 7:00'),

(119,09,'spa, gym, breakfast','breakfast 7:00'),

(1110,010,'spa, gym, breakfast','spa-16:00, gym-any time,breakfast 7:00');

Create table additional\_services (

additional\_services\_id int not null primary key,

name\_of\_additional\_services varchar not null,

price varchar not null

);

INSERT INTO additional\_services(additional\_services\_id,name\_of\_additional\_services,price)

VALUES

(500,'Wi-Fi','20$'),

(501,'Banqueting service', '110$'),

(502,'Taxi', '50$'),

(503,'Safe', '20$'),

(504,'Parking', '30$'),

(505,'Wash', '35$'),

(506,'The hairdresser', '35$'),

(507,'City tour arrangements', '90$'),

(508,'Dry cleaning, laundry service', '50$'),

(509,'TV', '50$');

Create table cleaning (

cleaning\_id int not null primary key,

room\_id int not null,

cleaning\_time time not null,

duration\_of\_cleaning varchar not null,

FOREIGN KEY (room\_id) references rooms(room\_id)

);

INSERT INTO cleaning(cleaning\_id,room\_id,cleaning\_time,duration\_of\_cleaning)

(VALUES

(601,01,'13:00','30m'),

(602,02,'13:00','30m'),

(603,03,'13:00','30m'),

(604,04,'13:00','30m'),

(605,05,'13:00','30m'),

(606,06,'13:00','30m'),

(607,07,'13:00','30m'),

(608,08,'13:00','30m'),

(609,09,'13:00','30m'),

(610,010,'13:00','30m')

);

Create table bed\_change (

bed\_change\_id int not null primary key,

room\_id int not null,

bed\_change\_time time not null,

duration\_of\_bed\_change varchar not null,

FOREIGN KEY (room\_id) references rooms(room\_id)

);

INSERT INTO bed\_change(bed\_change\_id,room\_id ,bed\_change\_time,duration\_of\_bed\_change)

(VALUES

(701,01,'12:00','5m'),

(702,02,'12:00','5m'),

(703,03,'12:00','5m'),

(704,04,'12:00','5m'),

(705,05,'12:00','5m'),

(706,06,'12:00','5m'),

(707,07,'12:00','5m'),

(708,08,'12:00','5m'),

(709,09,'12:00','5m'),

(710,010,'12:00','5m')

);

create table mini\_bar (

product\_id int not null primary key,

products\_name varchar not null,

product\_price varchar(255) not null

);

INSERT INTO mini\_bar(product\_id,products\_name,product\_price)

(VALUES

(1010,'Cola','2$'),

(1011,'Sprite','2$'),

(1012,'Pepsi','2$'),

(1013,'Kinder','3$'),

(1014,'Snickers','2$'),

(1015,'beer','3$'),

(1016,'energetics','3$'),

(1017,'Fanta','2$'),

(1018,'chips','2$'),

(1019,'chocolate','2$')

);

1)

- Alter table rooms add column numbers\_of\_rooms varchar(255);

-Alter table rooms drop numbers\_of\_rooms;

-Alter table mini\_bar add constraint product\_id Primary key(product\_id);

-Alter table employees add column age varchar(255);

-Alter table employees drop age;

2)

-Select sum(distinct salary)as sum from employee\_position

-Select \*from employees where date\_of\_adoption <'2017-1-1'

-Select \*from rooms where room\_id=010

-Select \*from employee\_position where age=25 OR salary=300000

-Select distinct firstname from Employees where date\_of\_birth between '01/01/1980' and '30/11/2000'

-Select MAX(Salary) from Employee\_position where Salary not in (select MAX(Salary)from Employee\_position)

- Select Min(salary) as min, MAX(salary) as max from employee\_position

-Select \*from Employees where firstname like 'F%'

-Select Employees.Firstname,Employees.Lastname,Employee\_position.Position,Employee\_position.Salary

From Employees

Inner join Employee\_position

On Employees.Position\_id=Employee\_position.Position\_id

-Select rooms.room\_condition,rooms.room\_price,included\_services.type\_of\_services,included\_services.time\_spending

From rooms

Right join included\_services

On rooms.room\_id=included\_services.room\_id