drop table Admins cascade constraints;

drop table customers cascade constraints;

drop table hotels cascade constraints;

drop table rooms cascade constraints;

drop table reservation cascade constraints;

drop table Nationality cascade constraints;

CREATE TABLE Admins

(adminid number(10) primary key, adminename varchar2(255), phonenumber number(15), gender varchar2(50) , Email varchar(255), Password number(10));

create table nationality

(nationalityname varchar(255) primary key, nationalitykey varchar(255));

create table Customers

(CustomerId number(3) primary key, CustomerName varchar2(255) not NULL, Nationalityname varchar(255) References NATIONALITY, PhoneNumber number(15), Gender varchar2(50), Email varchar(255), Password number(10) , cridit number

);

CREATE TABLE Hotels

(HotelName varchar2(255) primary key, HotelLocation varchar2(255), PhoneNumber number(15));

CREATE TABLE Rooms

(roomnum number(10) primary key, price decimal(8,2), HotelName varchar2(255) References Hotels, adminid number(10) References Admins,

roomtype varchar2(255) , reservation\_number number);

CREATE TABLE Reservation

(reservid number(10), roomnum number(10) References Rooms, customerid number(10) References customers, StartDate date, EndDate date, Rates number(5) , Total\_cost number);

insert into admins

values(1, 'Omar', 011473456, 'M', 'Omar@Admin.com', 123);

insert into admins

values(2, 'Amr', 01138456, 'M', 'Amr@Admin.com', 123);

insert into admins

values(3, 'Bakr', 010937816, 'M', 'Bakr@Admin.com', 123);

insert into admins

values(4, 'Mariam', 0127810145, 'F', 'Mariam@Admin.com', 123);

insert into admins

values(5, 'Fatma', 0110561456, 'F', 'Fatma@Admin.com', 123);

insert into admins

values(6, 'Mohamed', 012702359, 'M', 'Mohamed@Admin.com', 123);

insert into nationality values('Egypt', '+20');

insert into nationality values('USA', '+1');

insert into nationality values('UAE', '+998');

insert into nationality values('Saudi Arabia', '+966');

insert into nationality values('Palestine', '+970');

insert into nationality values('Amman', '+968');

insert into nationality values('Belgium', '+32');

insert into nationality values('Farance', '+33');

insert into nationality values('Italia', '+39');

Insert Into customers

values(1, 'Mark', 'UAE', 75412369874, 'M', 'Mark@cust.com', 124 ,20000);

Insert Into customers

values(2, 'Jain', 'Farance', 80879641250, 'F', 'Jain@cust.com', 124 , 600);

Insert Into customers

values(3, 'Youssef', 'Egypt', 01185974023, 'M', 'Youssef@cust.com', 124 , 800);

Insert Into customers

values(4, 'Ahmed', 'Saudi Arabia', 40120345687, 'M', 'Ahmed@cust.com', 124 , 6000);

insert into hotels

values('Almadiafa', 'Egypt', 220994560);

insert into hotels

values('Ayed Tera', 'Saudi Arabia', 520470650);

insert into hotels

values('Citymax Hotel', 'Dubai', 620504870);

insert into hotels

values('Red Stone Hotel', 'Turkey', 712504840);

insert into rooms

values(501, 375, 'Almadiafa', 2, 'Reserved' , 1);

insert into rooms

values(502, 800, 'Almadiafa', 1, 'Reserved' , 1);

insert into rooms

values(503, 900, 'Ayed Tera', 3, 'Not Reserved' , 0);

insert into rooms

values(504, 350, 'Citymax Hotel', 4, 'Reserved' , 1);

insert into rooms

values(505, 950, 'Citymax Hotel', 5, 'Not Reserved' , 0);

insert into rooms

values(506, 450, 'Red Stone Hotel', 6, 'Reserved' , 1);

insert into reservation

values(1, 501, 1, '1-Jun-2022', '5-Jun-2022', 5 ,1500);

insert into reservation

values(2, 502, 2, '5-Jun-2022', '9-Jun-2022', 2 ,3200);

insert into reservation

values(3, 504, 3, '1-jul-2022', '7-Jul-2022', 4 ,2100);

insert into reservation

values(4, 506, 4, '5-jun-2022', '11-Jun-2022', 5 ,2700);

commit;

* Stored procedures

create or replace PROCEDURE GET\_CID (cid out NUMBER) AS

BEGIN

SELECT max(customerid) into cid from CUSTOMERS ;

END ;

create or replace PROCEDURE GET\_RID(rid out NUMBER) AS

BEGIN

SELECT max(reservid) into rid from reservation ;

END GET\_RID;

create or replace PROCEDURE GetMoreInfo

(r\_num in VARCHAR2 ,r\_price OUT NUMBER , h\_name out VARCHAR2)

AS

BEGIN

select price , hotelname INTO r\_price, h\_name

from rooms

WHERE roomnum = r\_num;

END;

create or replace PROCEDURE GETROOMNUM

(c\_id in VARCHAR2, r\_num out sys\_refcursor)

AS

BEGIN

OPEN r\_num for

select r.roomnum

FROM reservation r, customers cu

WHERE r.customerid = cu.customerid

and cu.customerid = c\_id;

END GETROOMNUM;

create or replace PROCEDURE insert\_reservation

(customer\_id in NUMBER, reserv\_id in number , room\_num in number ,start\_date in DATE , end\_date in DATE , total\_cost in NUMBER ) AS

BEGIN

INSERT into reservation values ( reserv\_id , room\_num , customer\_id ,start\_date , end\_date , 0, total\_cost );

END ;

create or replace PROCEDURE UPDATE\_ROOM\_TYPE (r in NUMBER)AS

BEGIN

UPDATE rooms

set ROOMTYPE = 'Reserved'

where roomnum = r ;

END UPDATE\_ROOM\_TYPE;

create or replace PROCEDURE getcost(rid in NUMBER , t out NUMBER) AS

BEGIN

select total\_cost INTO t

from reservation

WHERE reservid = rid;

END ;