**Create table Queries**

create table Person(

Per\_id varchar(4) PRIMARY KEY,

F\_name varchar(20),

M\_name varchar(20),

L\_name varchar(20),

Address varchar(255),

Gender char(10),

DOB date

);

create table Phone\_no(

Per\_id varchar(4),

Phone\_no varchar(10),

Primary key(Per\_id, Phone\_no),

foreign key (Per\_id) references Person(Per\_id),

CHECK ( Regexp\_like(per\_id, 'P[0-9][0-9][0-9]'));

);

create table Employee(

E\_id varchar(4) PRIMARY KEY,

Start\_date date,

Type\_flag varchar(10),

foreign key(E\_id) references Person(Per\_id),

CHECK ( Regexp\_like(E\_id, 'P[0-9][0-9][0-9]'));

);

create table A\_class\_passenger(

Pass\_id varchar(4) Primary Key,

No\_children integer,

foreign key(Pass\_id) references Person(Per\_id),

CHECK ( Regexp\_like(pass\_id, 'P[0-9][0-9][0-9]'))

);

create table A\_star\_passenger(

Star\_id varchar(4) PRIMARY KEY,

Foreign key(STAR\_id) references A\_CLASS\_PASSENGER(Pass\_id),

CHECK ( Regexp\_like(star\_id,'P[0-9][0-9][0-9]'));

);

create table Route(

R\_name varchar(10)Primary key

);

create table Time\_table(

Record\_id varchar(10)Primary key,

Intervals varchar(5),

Day\_of\_week varchar(15),

Start\_time varchar(20),

End\_time varchar(20),

CHECK ( Regexp\_like(Record\_id , 'DT[0-9][0-9]'))

);

Create table Bus\_stop(

B\_name varchar(10),

R\_name varchar(10),

Primary key (B\_name,R\_name),

Foreign key(R\_name) references Route(R\_name)

);

Create table Bus(

Bus\_no varchar(10),

Liscence\_plate\_no varchar(10),

No\_seats int,

Record\_id varchar(10),

R\_name varchar(10),

Status varchar(10),

PRIMARY KEY (Bus\_no,Record\_id),

Foreign key(R\_name) references Route(R\_name),

Foreign key(Record\_id) references Time\_table(Record\_id),

CHECK ( Regexp\_like(Record\_id , 'DT[0-9][0-9]'))

);

Create table Drives(

Driver\_id varchar(4),

Hr int(2),

Dt date,

Bus\_no varchar(10),

Primary key (driver\_id,bus\_no),

Foreign key(Driver\_id) references Employee(E\_id),

Foreign key(Bus\_no) references Bus(Bus\_no),

CHECK ( Regexp\_like(driver\_id, 'P[0-9][0-9][0-9]'))

);

Create table Terminal(

Ter\_id varchar(10) PRIMARY KEY,

Tm varchar(10),

Dt date,

Location varchar(10),

Bus\_no varchar(10),

Foreign key (Bus\_no) references Bus(Bus\_no)

);

Create table Passes(

Passes\_id varchar(10) PRIMARY KEY,

Pass\_id varchar(10),

Foreign key(Pass\_id) references A\_class\_passenger(Pass\_id),

CHECK ( Regexp\_like(pass\_id, 'P[0-9][0-9][0-9]'))

);

Create table Promotion(

Prom\_id varchar(10) PRIMARY KEY,

Passes\_id varchar(10) ,

Description varchar(50),

Foreign key(Passes\_id) references Passes(Passes\_id)

);

Create table Have(

Passes\_id varchar(10),

Prom\_id VARCHAR(10),

PRIMARY KEY(Passes\_id, Prom\_id),

Foreign key(Passes\_id) references Passes(Passes\_id),

Foreign key(Prom\_id) references Promotion(Prom\_id)

);

Create table Travel\_card(

Card\_no varchar(10) PRIMARY KEY,

Star\_id varchar(4),

DOI date,

Foreign key(Star\_id) references A\_star\_passenger(Star\_id),

Check ( Regexp\_like(star\_id, 'P[0-9][0-9][0-9]'))

);

Create table Guest\_1(

G\_ssn varchar(10) PRIMARY KEY,

G\_contact varchar(10),

G\_address varchar(10),

G\_name varchar(10),

);

Create table Guest\_2(

Star\_id varchar(10),

G\_id varchar(10),

G\_ssn varchar(10),

PRIMARY KEY(Star\_id, G\_id),

Foreign key(Star\_id) references A\_star\_passenger(Star\_id),

Foreign key (G\_ssn) references Guest\_1(G\_ssn),

CHECK ( Regexp\_like(star\_id, 'P[0-9][0-9][0-9]'))

);

Create table Ticket(

T\_id varchar(10) PRIMARY KEY,

Bus\_id varchar(10),

Seat\_no varchar(10),

Price int,

T\_date date

);

Create table Payment(

Pay\_id varchar(10) PRIMARY KEY,

Method varchar(20),

Amount int

);

Create table Buys(

Per\_id varchar(10),

E\_id varchar(10),

Ticket\_id varchar(10),

Pay\_id varchar(10),

FOREIGN KEY(Per\_id) references Person(Per\_id),

FOREIGN KEY(E\_id) references Employee(E\_id),

FOREIGN KEY(Ticket\_id) references Ticket(T\_id),

FOREIGN KEY(Pay\_id) references Payment(Pay\_id),

CHECK ( Regexp\_like(E\_id, 'P[0-9][0-9][0-9]')),

CHECK ( Regexp\_like(per\_id, 'P[0-9][0-9][0-9]'))

);

**Constraints**

ALTER TABLE Bus ADD CONSTRAINT LP\_Number unique(Liscence\_plate\_no);

ALTER TABLE A\_class\_passenger ADD CONSTRAINT max\_children CHECK (No\_children<6);

ALTER TABLE Person ADD CONSTRAINT person\_id CHECK ( Regexp\_like (per\_id, 'P[0-9][0-9][0-9]'));

ALTER TABLE Passes ADD CONSTRAINT passengers\_id CHECK ( Regexp\_like(pass\_id, 'P[0-9][0-9][0-9]'));

ALTER TABLE Time\_table ADD CONSTRAINT Record\_id\_check CHECK ( Regexp\_like(Record\_id , 'DT[0-9][0-9]'));

ALTER TABLE Phone\_no ADD CONSTRAINT p\_id CHECK ( Regexp\_like(per\_id, 'P[0-9][0-9][0-9]'));

ALTER TABLE Buys ADD CONSTRAINT pe\_id CHECK ( Regexp\_like(per\_id, 'P[0-9][0-9][0-9]'));

ALTER TABLE Buys ADD CONSTRAINT employee\_id CHECK ( Regexp\_like(E\_id, 'P[0-9][0-9][0-9]'));

ALTER TABLE Employee ADD CONSTRAINT emp\_id CHECK ( Regexp\_like(E\_id, 'P[0-9][0-9][0-9]'));

ALTER TABLE A\_Star\_passenger ADD CONSTRAINT empl\_id CHECK ( Regexp\_like(E\_id, 'P[0-9][0-9][0-9]'));

ALTER TABLE A\_Star\_passenger ADD CONSTRAINT starpassen\_id CHECK ( Regexp\_like(star\_id,'P[0-9][0-9][0-9]'));

ALTER TABLE A\_Star\_passenger ADD CONSTRAINT passen\_id CHECK( Regexp\_like (pass\_id,'P[0-9][0-9][0-9]'));

ALTER TABLE Guest\_2 ADD CONSTRAINT starpass\_id CHECK ( Regexp\_like(star\_id, 'P[0-9][0-9][0-9]'));

ALTER TABLE Travel\_card ADD CONSTRAINT starpasseng\_id CHECK ( Regexp\_like(star\_id, 'P[0-9][0-9][0-9]'));

ALTER TABLE A\_class\_passenger ADD CONSTRAINT pas\_id CHECK ( Regexp\_like(pass\_id, 'P[0-9][0-9][0-9]'));

ALTER TABLE Person ADD CONSTRAINT age\_check CHECK(((DATEDIFF(DOB,sysdate()))) > =16) ;

**Create view querries**

1) create or replace view top\_a\_star\_passenger as ( SELECT Person.Per\_id, Person.F\_name, Person.M\_name, Person.L\_name, Travel\_card.DOI FROM Person JOIN Travel\_card ON Person.Per\_id = Travel\_card.Star\_id WHERE Person.Per\_id IN (select star\_id from a\_star\_passenger where star\_id in(SELECT Per\_id FROM Buys WHERE Ticket\_id IN(SELECT T\_id FROM Ticket WHERE DATEDIFF( sysdate(),T\_date)<=365) GROUP BY Per\_id HAVING Count(\*)>=2)));(DONE VIEW)

2)CREATE OR REPLACE VIEW popular\_bus as (SELECT x.bus\_id,max(B\_count) from (SELECT bus\_id,COUNT(Bus\_id) AS B\_count FROM Ticket WHERE (DATEDIFF(sysdate(),T\_date)<=730) Group by bus\_id) as x);

3)CREATE OR REPLACE VIEW Top\_dc\_bus AS(select bus.bus\_no,bus.Liscence\_plate\_no,bus.status, ticket.T\_date from bus JOIN ticket ON Bus. Bus\_no = Ticket.Bus\_id where (bus.status='Delayed' or bus.status='Cancelled') And (DATEDIFF(sysdate(),ticket.T\_date)<=30));

4) CREATE OR REPLACE VIEW Potential\_a\_star\_passenger AS (SELECT distinct Person.Per\_id, Person.F\_name, Person.M\_name, Person.L\_name, Phone\_no.Phone\_no FROM Person JOIN Buys ON Person.Per\_id = Buys.Per\_id JOIN Phone\_no ON Person.Per\_id = Phone\_no.Per\_id WHERE Person.Per\_id IN (SELECT per\_id from (SELECT Per\_id,Count(ticket\_id) as y FROM Buys WHERE Ticket\_id IN(SELECT T\_id FROM Ticket WHERE DATEDIFF( sysdate(),T\_date)<=60) group by per\_id) as x where y>=3));

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) Person.Per\_id, Person.F\_name, Person.M\_name, Person.L\_name, Phone\_no.Phone\_no FROM Person JOIN Buys ON Person.Per\_id = Buys.Per\_id JOIN Phone\_no ON Person.Per\_id = Phone\_no.Per\_idWHERE Person.Per\_id IN (SELECT per\_id from (SELECT Per\_id,Count(ticket\_id) as y FROM Buys WHERE Ticket\_id IN(SELECT T\_id FROM Ticket WHERE DATEDIFF( sysdate(),T\_date)<=60) group by per\_id) as x where y>=3);

5) CREATE OR REPLACE VIEW Top\_employee AS (SELECT F\_name, M\_name, L\_name, Address, Gender, DOB FROM Person WHERE Per\_id IN (SELECT E\_id FROM Employee WHERE E\_id IN (SELECT E\_id FROM Buys WHERE Ticket\_id IN(SELECT T\_id FROM Ticket WHERE DATEDIFF( sysdate(),T\_date)<=30))) );

**SQL Queries**

1) SELECT Person.F\_name, Person.M\_name,Person.L\_name, Employee.Type\_flag FROM Person JOIN Employee ON Person.Per\_id = Employee.E\_id;

2) [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) F\_name, M\_name, L\_Name from Person WHERE Per\_id [IN](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/comparison-operators.html#function_in)([SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) Employee.E\_id FROM Employee JOIN A\_class\_passenger ON Employee.E\_id = A\_class\_passenger.Pass\_id);

3) select avg(t\_cnt) from(select count(ticket\_id) as t\_cnt from buys,top\_a\_star\_passenger where buys.Per\_id=top\_a\_star\_passenger.per\_id group by buys.per\_id) as x LIMIT 5; (Done Output)

4) SELECT Bus\_id,R\_name from Popular\_bus;(Done Output)

5) [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) distinct Bus\_no FROM Top\_dc\_bus WHERE Bus\_no [IN](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/comparison-operators.html#function_in)([SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) Bus\_no FROM Top\_dc\_bus WHERE ([SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) [COUNT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_count)(Bus\_no) FROM Top\_dc\_bus WHERE Status= 'cancelled' [AND](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_and) DATEDIFF( sysdate(),T\_date)<=30)>=3 );

6) [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) [COUNT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_count)(T\_id) FROM Ticket GROUP BY Bus\_id;

7)SELECT distinct Person.Per\_id, Person.F\_name, Person.M\_name, Person.L\_name FROM Person JOIN Drives ON Person.Per\_id = Drives.Driver\_id WHERE Drives.Driver\_id IN(SELECT driver\_id FROM(SELECT driver\_id,Dt, COUNT(Dt) as y FROM Drives WHERE DATEDIFF(sysdate(),Dt)<=7) as x WHERE y=7);

8)

SELECT COUNT(Per\_id) FROM Buys WHERE Ticket\_id IN (SELECT T\_id FROM Ticket WHERE Bus\_id IN(SELECT Bus\_no from Popular\_bus));

9) SELECT \* FROM Ticket WHERE T\_date > (SELECT MAX(Start\_date) FROM Employee);

10) [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) F\_name, M\_name, L\_name FROM Person WHERE Per\_id [IN](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/comparison-operators.html#function_in)([SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) E\_id FROM Employee WHERE E\_id [IN](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/comparison-operators.html#function_in)([SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) Travel\_card.Star\_id FROM Travel\_card JOIN Employee ON Travel\_card.Star\_id = Employee.E\_id WHERE DATEDIFF( Travel\_card.DOI, Employee.Start\_date)<=30 ));

11) SELECT R\_name FROM Bus\_stop GROUP BY R\_name HAVING COUNT(B\_name)= (SELECT MAX(Stop\_count) FROM (SELECT R\_name,COUNT(B\_name) AS Stop\_count FROM Bus\_stop GROUP BY R\_name)as x);

12) SELECT F\_name, M\_name, L\_name FROM Person WHERE Per\_id IN(SELECT Star\_id FROM Travel\_card WHERE DATEDIFF(sysdate(),DOI)>5);

13) SELECT T\_id, Bus\_id, Seat\_no, Price, T\_date FROM Ticket WHERE T\_id IN(SELECT Ticket\_id FROM Buys WHERE Per\_id IN (SELECT Per\_id FROM Potential\_a\_star\_passenger));

**Table Entries:**

**Person:**

Insert into Person Values('P111', 'Johny','Noone','English','Richardson, Texas ','Male',

'10-Nov-1997');

Insert into Person Values('P222','Mary','Brown','Jane','Dallas, Texas', 'Female',

'1997-08-08');

Insert into Person Values('P333', 'James','James','Bond','Garland, Texas' ,'Male',

'1990-02-28');

Insert into Person Values('P444', 'Patrick','Detective','Jane','Plano, Texas','Male',

'1993-08-22');

Insert into Person Values('P555', 'Katie','Bayer','Smith','Richardson, Texas', 'Female',

'1986-11-11');

Insert into Person Values('P666', 'White','Haha','Walker','Sadashiv Peth, Texas','Male',

'1988-01-01');

Insert into Person Values('P777', 'Barbara','Benson','Davidson','Allen, Texas', 'Female','1973-11-11');

Insert into Person Values('P888', 'John','KnowNothing','Snow','Richardson, Texas','Male',

'1997-03-21');

Insert into Person Values('P999', 'Arya','NoName','Stark','Irving, Texas', 'Female',

'1996-01-11');

Insert into Person Values('P101', 'Kimble','Yo','Cho','Plano, Texas','Male',

'1995-05-21');

Insert into Person Values('P102', 'Sansa','NoName','Stark','Plano, Texas', 'Female',

'1976-10-11');

Insert into Person Values('P103', 'TuTuTu','Tu','Meri','Irving, Texas','Male',

'1994-06-12');

Insert into Person Values('P104', 'John','Hustle','Cena','Dallas, Texas','Male',

'1977-05-12');

Insert into Person Values('P105', 'Black','White','Widow','Plano, Texas', 'Female',

'1991-07-14');

Insert into Person Values('P106', 'Avenger','Doctor','Strange','Allen, Texas','Male',

'1988-07-12');

Insert into Person Values('P107', 'Avenger','Captain','America','Plano, Texas','Male',

'1997-07-12');

insert into Time\_table values ('DT01','15m','M,W,F','08:00:00','23:00:00');

insert into Time\_table values ('DT02','20m','T,Th,Sat','08:00:00','23:00:00');

insert into Time\_table values ('DT03','25m','M,T,W,Th,F','08:00:00','23:00:00');

insert into Time\_table values ('DT04','20m','M,T,W,Th,F,S,Su','08:00:00','23:00:00');

insert into Time\_table values ('DT05','25m','M,W,,F','08:00:00','23:00:00');

insert into Time\_table values ('DT06','10m','T,Th,Sat','08:00:00','23:00:00');

insert into Time\_table values ('DT07','15m','M,T,W,Th,F','08:00:00','23:00:00');

insert into Time\_table values ('DT08','30m','M,T,W,Th,F,S,Su','08:00:00','23:00:00');

insert into Time\_table values ('DT09','05m','M,T,W','08:00:00','23:00:00');

insert into Time\_table values ('DT10','25m','W,Th,F','08:00:00','23:00:00');

insert into Time\_table values ('DT11','10m','M,T,W','06:00:00','00:00:00');

insert into Bus\_stop values('Ashwood','Meandering');

insert into Bus\_stop values('Chatham','Meandering');

insert into Bus\_stop values('Palencia','Frankford');

insert into Bus\_stop values('Pearl','Frankford');

insert into Bus\_stop values('Estates\_w','Frankford');

insert into Bus\_stop values('Marquis','East');

insert into Bus\_stop values('Estates\_E','East');

insert into Bus\_stop values('Prairee','East');

insert into Bus\_stop values('Pradera','East');

insert into Route values ('East');

insert into Route values ('Frankford');

insert into Route values ('Meandering');

INSERT INTO EMPLOYEE values ('P333','2016-01-01','Checker');

INSERT INTO EMPLOYEE values ('P111',2014-01-01','Driver');

INSERT INTO EMPLOYEE values ('P222','2015-01-01','Staff');

INSERT INTO EMPLOYEE values ('P444','2017-01-01','Driver');

INSERT INTO EMPLOYEE values ('P555','2018-01-01','Staff');

insert into Phone\_no values ('P107','1234321098');

insert into Phone\_no values('P888','1234567890');

insert into Phone\_no values('P222','1234567891');

insert into Phone\_no values('P333','1234567892');

insert into Phone\_no values('P444','1234567893');

insert into Phone\_no values('P555','1234567894');

insert into Phone\_no values('P666','1234567895');

insert into Phone\_no values('P777','1234567896');

insert into Phone\_no values('P999','1234567897');

insert into Phone\_no values('P101','1234567898');

insert into Phone\_no values('P102','1234567899');

insert into Phone\_no values('P103','1234567800');

insert into Phone\_no values('P104','1234567801');

insert into Phone\_no values('P105','1234567802');

insert into Phone\_no values('P106','1234567803');

insert into Bus values('883East','TX123',50,'DT01','East','Cancelled’');

insert into Bus values('8832East','TX124',50,'DT02','East','Cancelled');

insert into Bus values('8833Frank','TX125',50,'DT03','Frankford','Delayed');

insert into Bus values('883Frank','TX126',50,'DT04','Frankford','Delayed');

insert into Bus values('8833Meand','TX127',50,'DT05','Meandering','OnTime');

insert into Bus values('883Meand','TX128',50,'DT06','Meandering','Ontime');

insert into Bus values('883Meand','TX129',50,'DT07','Meandering','Ontime');

insert into Bus values('8832East','TX130',50,'DT08','East','Cancelled');

insert into Bus values('883Meand','TX131',50,'DT09','Meandering','Ontime');

insert into Bus values('8832East','TX132',50,'DT10','East','Cancelled');

insert into Bus values('451Extra','TX133',50,'DT11','Meandering’','Ontime');

insert into ticket VALUES('T1','883East','1',20,'2019-11-10');

insert into ticket VALUES('T10','8832East','2',30,'2019-11-20');

insert into ticket VALUES('T3','883Frank','3',33,'2019-11-30');

insert into ticket VALUES('T4','8833Frank','4',21,'2019-01-10');

insert into ticket VALUES('T5','883Meand','5',50,'2014-11-10');

insert into ticket VALUES('T6','8833Meand','6',12,'2015-11-10');

insert into ticket VALUES('T7','883East','7',32,'2019-10-10');

insert into ticket VALUES('T11','8832East','8',54,'2019-11-10');

insert into ticket VALUES('T9','883Frank','9',23,'2019-11-20');

insert into ticket VALUES('T0','883Meand','10',31,'2014-11-10');

insert into buys values ('P666','P222','T1','Pay1');

insert into buys values ('P666','P222','T2','Pay2');

insert into buys values ('P666','P222','T3','Pay3');

insert into buys values ('P107','P222','T4','Pay5');

insert into buys values ('P107','P222','T5','Pay4');

insert into buys values ('P107','P555','T6','Pay6');

insert into buys values ('P104','P555','T7','Pay7');

insert into buys values ('P104','P555','T8','Pay8');

insert into buys values ('P104','P555','T9','Pay9');

insert into buys values ('P107','P222','T0','Pay0');

insert into A\_class\_Passenger values('P666',2);

insert into A\_class\_Passenger values('P777',0);

insert into A\_class\_Passenger values('P888',1);

insert into A\_class\_Passenger values('P999',3);

insert into A\_class\_Passenger values('P101',2);

insert into A\_class\_Passenger values('P102',2);

insert into A\_class\_Passenger values('P103',1);

insert into A\_class\_Passenger values('P104',3);

insert into A\_class\_Passenger values('P105',4);

insert into A\_class\_Passenger values('P107',5);

insert into A\_class\_Passenger values('P111',2);

insert into A\_class\_Passenger values('P222',3);

insert into A\_class\_Passenger values('P333',4);

insert into A\_STAR\_PASSENGER values('P666');

insert into A\_STAR\_PASSENGER values('P101');

insert into A\_STAR\_PASSENGER values('P888');

insert into A\_STAR\_PASSENGER values('P107');

insert into A\_STAR\_PASSENGER values('P103');

insert into A\_STAR\_PASSENGER values('P111');

insert into A\_STAR\_PASSENGER values('P222');

insert into A\_STAR\_PASSENGER values('P333');

insert into Travel\_card values ('C11','P111','2012-01-20');

insert into Travel\_card values ('C12','P222','2015-01-20');

insert into Travel\_card values ('C13','P333','2019-01-20');

insert into Travel\_card values ('C14','P101','2014-01-20');

insert into Travel\_card values ('C15','P103','2013-01-20');

insert into Travel\_card values ('C16','P107','2014-01-20');

insert into Travel\_card values ('C17','P666','2016-01-20');

insert into Travel\_card values ('C18','P888','2017-01-20');

insert into Guest\_1 values('S12345','123454321','Dallas','John');

insert into Guest\_1 values('S123456','123454322','Richard','Sansa');

insert into Guest\_1 values('S123457','123454323','Plano','Maisie');

insert into Guest\_1 values('S123458','123454324','Dallas','Yo');

insert into Guest\_1 values('S123459','123454325','Richard','jack');

insert into Guest\_1 values('S123450','123454326','Plano','wanda');

insert into Guest\_1 values('S123400','123454327','Dallas','Flower');

insert into Guest\_1 values('S123401','123454328','Dallas','ha');

insert into Guest\_2 values('P101','G1','S12345');

insert into Guest\_2 values('P103','G2','S123456');

insert into Guest\_2 values('P107','G3','S123457');

insert into Guest\_2 values('P111','G4','S123458');

insert into Guest\_2 values('P222','G5','S123459');

insert into Guest\_2 values('P333','G6','S123450');

insert into Guest\_2 values('P888','G7','S123400');

insert into Guest\_2 values('P666','G8','S123401');

insert into Passes values('Pass1','P103');

insert into Passes values('Pass2','P104');

insert into Passes values('Pass3','P105');

insert into Passes values('Pass4','P107');

insert into Passes values('Pass5','P111');

insert into Passes values('Pass6','P222');

insert into Passes values('Pass7','P333');

insert into Passes values('Pass8','P666');

insert into Passes values('Pass9','P777');

insert into Passes values('Pass0','P888');

insert into Passes values('Pass11','P999');

insert into Passes values('Pass12','P101');

insert into Passes values('Pass13','P102');

insert into promotion values('Prom1','Pass1','20% OFF');

insert into promotion values('Prom2','Pass2','2 ticket free');

insert into promotion values('Prom3','Pass3','60% OFF');

insert into promotion values('Prom4','Pass4','Next ride free');

insert into promotion values('Prom5','Pass5','Better luck next time');

insert into promotion values('Prom6','Pass6','Cashback 1$');

insert into promotion values('Prom7','Pass1','20% OFF');

insert into promotion values('Prom8','Pass2','2 ticket free');

insert into promotion values('Prom9','Pass3','60% OFF');

insert into promotion values('Prom0','Pass4','Next ride free');

insert into promotion values('Prom11','Pass7','Better luck next time');

insert into promotion values('Prom12','Pass9','Cashback 1$');

insert into have values('Pass1','Prom1');

insert into have values('Pass2','Prom2');

insert into have values('Pass3','Prom3');

insert into have values('Pass4','Prom4');

insert into have values('Pass5','Prom5');

insert into have values('Pass6','Prom6');

insert into have values('Pass1','Prom7');

insert into have values('Pass2','Prom8');

insert into have values('Pass3','Prom9');

insert into have values('Pass4','Prom0');

insert into have values('Pass7','Prom11');

insert into have values('Pass9','Prom12');

insert into Payment values('Pay1','Card',20);

insert into Payment values('Pay2','Cash',30);

insert into Payment values('Pay3','Card',33);

insert into Payment values('Pay4','Cash',50);

insert into Payment values('Pay5','Card',21);

insert into Payment values('Pay6','Cash',12);

insert into Payment values('Pay7','Card',32);

insert into Payment values('Pay8','Cash',54);

insert into Payment values('Pay9','Card',23);

insert into Payment values('Pay0','Cash',31);

insert into Terminal Values('T001','22:00:00','2019-11-01','Visitor','883Frank');

insert into Terminal Values('T002','06:00:00','2018-01-01','Frankford','883Frank');

insert into Terminal Values('T003','12:00:00','2017-12-10','Frankford','8833Frank');

insert into Terminal Values('T004','16:00:00','2019-11-25','Visitor','8833Frank');

insert into Terminal Values('T005','22:00:00','2019-11-01','Visitor','883Meand');

insert into Terminal Values('T006','06:00:00','2018-01-01','Meandering','883Meand');

insert into Terminal Values('T007','12:00:00','2017-12-10','Meandering','8833Meand');

insert into Terminal Values('T008','16:00:00','2019-11-25','Visitor','8833Meand');

insert into Terminal Values('T009','22:00:00','22:00:00','2019-11-01','Visitor','883East');

insert into Terminal Values('T010','06:00:00','2018-01-01’,'Station','883East');

insert into Terminal Values('T011''12:00:00',,'2017-12-10','Station','8832East');

insert into Terminal Values('T012','16:00:00','2019-11-25','Visitor','8832East');

Insert into drives values('P111','6','2019-11-24','8833Frank');

Insert into drives values('P111','6','2019-11-25','883East');

Insert into drives values('P111','6','2019-11-26','8832East');

Insert into drives values('P111','6','2019-11-27','883Frank');

Insert into drives values('P111','6','2019-11-28','8833Meand');

Insert into drives values('P111','6','2019-11-29','883Meand');

Insert into drives values('P111','6','2019-11-30','8833Frank');

Insert into drives values('P444','6','2019-10-21','8833Frank');

Insert into drives values('P444','6','2019-10-25','8833Frank');

Insert into drives values('P444','6','2019-10-28','8833Frank');

insert into buys values ('P666','P222','T1','Pay1');

insert into buys values ('P777','P222','T2','Pay2');

insert into buys values ('P888','P222','T3','Pay3');

insert into buys values ('P999','P222','T4','Pay5');

insert into buys values ('P103','P555','T5','Pay4');

insert into buys values ('P103','P555','T6','Pay6');

insert into buys values ('P103','P555','T7','Pay7');

insert into buys values ('P103','P555','T8','Pay8');

insert into buys values ('P103','P555','T9','Pay9');

insert into buys values ('P103','P222','T0','Pay0');