Project
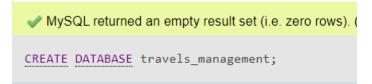
Travels (Luxary Buses) Management System)

CREATE DATABASE Travels_Management

✔ MySQL returned an empty result set (i.e. zero rows). (

```
CREATE DATABASE travels_management;
```

Create table Busdetails

✔ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0126 seconds.)

```
CREATE TABLE Bus_Details(Bus_ID int PRIMARY KEY,Bus_Name varchar(30),Seater_Seats varchar(20),Sleeper_Seats varchar(20),Cost float,Status varchar(20));
```

✔ 5 rows inserted. (Query took 0.0077 seconds.)

```
INSERT INTO bus_details values(04,'Orange Travels',28,8,'Seater=950.00, Sleeper=1300.00','Mumbai To Jagityal'), (06,'Bhumi Travels',26,6,'Seater=1000.00, Sleeper=1350.00',' Mumbai To Hydrabad'), (08,'Saipooja Travels',14,5,'Seater=1150.00, Sleeper=1400.00','Mumbai To Jagityal'), (09,'Anand Travels',13,6,'Seater=1250.00, Sleeper=1500.00','Mumbai To Banlore'), (012,'VRL Travels',9,3,'Seater=1250.00, Sleeper=1500.00','Mumbai To Banglore');
```

Bus_ID	Bus_Name	Seater_Seats	Sleeper_Seats	Cost	Status
4	Orange Travels	28	8	Seater=950.00, Sleeper=1300.00	Mumbai To Jagityal
6	Bhumi Travels	26	6	Seater=1000.00, Sleeper=1350.0	Mumbai To Hydrabad
8	Saipooja Travels	14	5	Seater=1150.00, Sleeper=1400.0	Mumbai To Jagityal
9	Anand Travels	13	6	Seater=1250.00, Sleeper=1500.0	Mumbai To Banlore
12	VRL Travels	9	3	Seater=1250.00, Sleeper=1500.0	Mumbai To Banglore

Create table BookingDetails

```
CREATE table Booking_Details(Ticket_ID int PRIMARY KEY AUTO_INCREMENT,Booking_Mode varchar(20) NOT Null,Seat_No varchar(20),Passenger_Name varchar(20) NOT Null,Gender
char(6),Phone_No bigint,Status varchar(15));
```

Field	Type	Null	Key	Default	Extra
Ticket_ID	int(11)	NO	PRI	*NULL*	auto_increment
Booking_Mode	varchar(20)	NO		*NULL*	
Seat_No	varchar(20)	YES		*NULL*	
Passenger_Name	varchar(20)	NO		*NULL*	
Gender	char(6)	YES		*NULL*	
Phone_No	bigint(20)	YES		*NULL*	
Status	varchar(15)	YES		*NULL*	

Booking details values

INSERT INTO booking_details VALUES('TQ9G14648106','Hard Cash','L7','Vijay Raghvan','Male',8898048312,'Booking Confirmed'),

(14648110,'Net Banking','B2','Pranali Jadhav','Female',7546230913,'Booking Confirmed'),

(14648122,'Advance Cash','C2','Ahmad Riaz','Male',9873425681,'Booking Confirmed'),

(14648129,'Cash','B3','Neha Sharma','Female',6657348347,'Booking Confirmed'),

(14648139,'Net Banking','D8','Jino joseph','Male',8776737558,'Resheduled'),

(14648143,'Cash','U2','Rohit Mehra ','Male',6635463647,'Cancellation'),

(14648149,'Cash','L4','Mehren Chaudary','Female',9773643643,'Booking Confirmed'),

(14648156,'Net Banking','F10','Gurjender Singh','Male',9985847533,'Booking Confirmed'),

(14648167,'Cash','L2','Vimla Naidu','Female',8784394735,'Cancellation'),

(14648172,'Net Banking','F9','Sindhu Pujari','Female',9387384632,'Booking Confirmed');

```
INSERT INTO booking_details VALUES(14648106,'Cash','L7','Vijay Raghvan','Male',8898048312,'Booking Confirmed'), (14648110,'Net Banking','B2','Pranali
Jadhav','Female',7546230913,'Booking Confirmed'), (14648122,'Advance Cash','C2','Ahmad Riaz','Male',9873425681,'Booking Confirmed'), (14648129,'Cash','B3','Neha
Sharma','Female',6657348347,'Booking Confirmed'), (14648139,'Net Banking','D8','Jino joseph','Male',8776737558,'Resheduled'), (14648143,'Cash','U2','Rohit Mehra
','Male',6635463647,'Cancellation'), (14648149,'Cash','L4','Mehren Chaudary','Female',9773643643,'Booking Confirmed'), (14648156,'Net Banking','F10','Gurjender
Singh','Male',9985847533,'Booking Confirmed'), (14648167,'Cash','L2','Vimla Naidu','Female',8784394735,'Cancellation'), (14648172,'Net Banking','F9','Sindhu
Pujari','Female',9387384632,'Booking Confirmed');
```

Ticket_ID	Booking_Mode	Seat_No	Passenger_Name	Gender	Phone_No	Status
14648106	Cash	L7	Vijay Raghvan	Male	8898048312	Booking Confirm
14648110	Net Banking	B2	Pranali Jadhav	Female	7546230913	Booking Confirm
14648122	Advance Cash	C2	Ahmad Riaz	Male	9873425681	Booking Confirm
14648129	Cash	B3	Neha Sharma	Female	6657348347	Booking Confirm
14648139	Net Banking	D8	Jino joseph	Male	8776737558	Resheduled
14648143	Cash	U2	Rohit Mehra	Male	6635463647	Cancellation
14648149	Cash	L4	Mehren Chaudary	Female	9773643643	Booking Confirm
14648156	Net Banking	F10	Gurjender Singh	Male	9985847533	Booking Confirm
14648167	Cash	L2	Vimla Naidu	Female	8784394735	Cancellation
14648172	Net Banking	F9	Sindhu Pujari	Female	9387384632	Booking Confirm

Create table Passenger_Details

```
CREATE TABLE Passenger_Details (Passenger_ID int PRIMARY KEY NOT Null, Passenger_Name varchar(50) NOT NULL, DOB date, Gender char(6) NOT Null, Email_ID varchar(50)
NOT Null, Phone_No bigint NOT Null , Status varchar(15) NOT Null);
```

Field	Type	Null	Key	Default	Extra
Passenger_ID	int(11)	NO	PRI	NULL	
Passenger_Name	varchar(50)	NO		NULL	
DOB	date	YES		NULL	
Gender	char(6)	NO		NULL	
Email_ID	varchar(50)	NO		NULL	
Phone_No	bigint(20)	NO		NULL	
Status	varchar(15)	NO		NULL	

INSERT into passengerdetails VALUES(01,'Vijay Raghvan','19980321','M','raghva55@gmail.com',8898048312),

(02,'Pranali Jadhav','19980323','F','pranu@gmail.com',7546230913),

(03,'Ahmad Riaz','19880512','M','ahmad45@gmail.com',9873425681),

(04,'Neha Sharma','19950613','F','nehasharma@gmail.com',6657348347),

(05,'Jino joseph','19870821','M','joseph493@gmail.com',8776737558),

(06,'Rohit Mehra ','19980415','M','mrrohit@gmail.com',6635463647),

(07,'Mehren Chaudary','19951126','F','mehren999@gmail.com',9773643643),

(08,'Gurjender Singh','19890325','M','gurgesingh@yahoo.com',9985847533),

(09,'Vimla Naidu','19840718','F','mrsvimu123@gmail.com',8784394735),

(010,'Sindhu Pujari','19931019','F','sindhu@gmail.com',9387384632);

```
INSERT into passenger_details VALUES(01,'Vijay Raghvan','19980321','M','raghva55@gmail.com',8898048312,'24 Nov 2021'), (02,'Pranali
Jadhav','19980323','F','pranu@gmail.com',7546230913,'24 Nov 2021'), (03,'Ahmad Riaz','19880512','M','ahmad45@gmail.com',987342568,'26 Nov 2021'), (04,'Neha
Sharma','19950613','F','nehasharma@gmail.com',6657348347,'25 Nov 2021'), (05,'Jino joseph','19870821','M','joseph493@gmail.com',8776737558,'26 Nov 2021'),
(06,'Rohit Mehra ','19980415','M','mrrohit@gmail.com',6635463647,'26 Nov 2021'), (07,'Mehren Chaudary','19951126','F','mehren999@gmail.com',9773643643,'24 Nov
2021'), (08,'Gurjender Singh','19890325','M','gurgesingh@yahoo.com',9985847533,'24 Nov 2021'), (09,'Vimla
Naidu','19840718','F','mrsvimu123@gmail.com',8784394735,'25 Nov 2021'), (010,'Sindhu Pujari','19931019','F','sindhu@gmail.com',9387384632,'25 Nov 2021');
```

Passenger_ID	Passenger_Name	DOB	Gender	Email_ID	Phone_No	Status
1	Vijay Raghvan	1998-03-21	Male	raghva55@gmail.com	8898048312	24 Nov 2021
2	Pranali Jadhav	1998-03-23	Female	pranu@gmail.com	7546230913	24 Nov 2021
3	Ahmad Riaz	1988-05-12	Male	ahmad45@gmail.com	987342568	26 Nov 2021
4	Neha Sharma	1995-06-13	Female	nehasharma@gmail.com	6657348347	25 Nov 2021
5	Jino joseph	1987-08-21	Male	joseph493@gmail.com	8776737558	26 Nov 2021
7	Mehren Chaudary	1995-11-26	Female	mehren999@gmail.com	9773643643	24 Nov 2021
8	Gurjender Singh	1989-03-25	Male	gurgesingh@yahoo.com	9985847533	24 Nov 2021
10	Sindhu Pujari	1993-10-19	Female	sindhu@gmail.com	9387384632	25 Nov 2021

Create table Boarding_Details

```
CREATE TABLE Boarding_Details(Bus_ID int(10) NOT Null PRIMARY KEY,Source_Location varchar(20),Destination varchar(20),Arrival_Time Time,Depature_Time Time,Seater_Cost
Float(10,2),Sleeper_Cost Float(10,2),Status varchar(15));
```

Field	Type	Null	Key	Default	Extra
Bus_ID	int(10)	NO	PRI	NULL	
Source_Location	varchar(20)	YES		NULL	
Destination	varchar(20)	YES		NULL	
Arrival_Time	time	YES		NULL	
Depature_Time	time	YES		NULL	
Seater_Cost	float(10,2)	YES		NULL	
Sleeper_Cost	float(10,2)	YES		NULL	
Status	varchar(15)	YES		NULL	

insert INTO boarding_details

VALUES(04,'Mumbai','Jagityal','143000 ','74900',950.00,1300.00,'Active'),

(06,'Mumbai','Hydrabad','160000','103000',1000.00,1350.00,'Active'),

(08,'Mumbai','Jagityal','140000','61000',1150.00,1400.00,'Active'),

(09,'Mumbai','Banglore','123000','81500' ,1250.00,1500.00,'Active'),

(012,'Mumbai','Banglore','131000','82000',1250.00,1500.00,'Active');

```
insert INTO boarding_details VALUES(04,'Mumbai','Jagityal','143000 ','74900',950.00,1300.00,'Active'),
(06,'Mumbai','Hydrabad','160000','103000',1000.00,1350.00,'Active'), (08,'Mumbai','Jagityal','140000','61000',1150.00,1400.00,'Active'),
(09,'Mumbai','Banglore','123000','81500' ,1250.00,1500.00,'Active'), (012,'Mumbai','Banglore','131000','82000',1250.00,1500.00,'Active');
```

Bus_ID	Source_Location	Destination	Arrival_Time	Depature_Time	Seater_Cost	Sleeper_Cost	Status
4	Mumbai	Jagityal	14:30:00	07:49:00	950.00	1300.00	Active
6	Mumbai	Hydrabad	16:00:00	10:30:00	1000.00	1350.00	Active
8	Mumbai	Jagityal	14:00:00	06:10:00	1150.00	1400.00	Active
9	Mumbai	Banglore	12:30:00	08:15:00	1250.00	1500.00	Active
12	Mumbai	Banglore	13:10:00	08:20:00	1250.00	1500.00	Active

Admin_Details

CREATE TABLE Admin_Details(Admin_ID int(10),Admin_Name varchar(25),Login_ID varchar(25),Password varchar(25),Status varchar(15));

✔ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0147 seconds.)

CREATE TABLE Admin_Details(Admin_ID int PRIMARY key AUTO_INCREMENT,Admin_Name varchar(20),Login_ID varchar(20), Password varchar(20));

Field	Type	Null	Key	Default	Extra
Admin_ID	int(11)	NO	PRI	NULL	auto_increment
Admin_Name	varchar(20)	YES		NULL	
Login_ID	varchar(20)	YES		NULL	
Password	varchar(20)	YES		NULL	

INSERT into admin_details

VALUES (101021,'Raghu Reddy','orange@travels.com','********'),

(103011,'Allen','bhumi@travels.com','********'),

(104021,'Mohammad Ali','saipooja@travels.com','********'),

(105004,'Jasmin Shetty','anand@travels.com','********'),

(106003,'joel Desuza','vrl@travels.com','********');

✔ 5 rows inserted. (Query took 0.0067 seconds.)

INSERT into admin_details VALUES(101021,'Raghu Reddy','orange@travels.com','********'), (103011,'Allen','bhumi@travels.com','********'), (104021,'Mohammad Ali','saipooja@travels.com','********'), (105004,'Jasmin Shetty','anand@travels.com','********'), (106003,'joel Desuza','vrl@travels.com','********');

TABLE : **Admin_Details**

Admin_ID	Admin_Name	Login_ID	Password
101021	Raghu Reddy	orange@travels.com	********
103011	Allen	bhumi@travels.com	********
104021	Mohammad Ali	saipooja@travels.com	********
105004	Jasmin Shetty	anand@travels.com	********
106003	joel Desuza	vrl@travels.com	********

TABLE: Cancellation_Details

```
CREATE TABLE Cancellation (Cancel_ID int NOT Null PRIMARY KEY,Ticket_ID int ,Refund_Amont float(10,2) ,Cancel_Date Date,Status varchar(15), FOREIGN KEY (Ticket_ID)
REFERENCES booking_details(Ticket_id));
```

Desc Cancellation_Details

Field	Type	Null	Key	Default	Extra
Cancel_ID	int(11)	NO	PRI	NULL	
Ticket_ID	int(11)	YES	MUL	NULL	
Refund_Amont	float(10,2)	YES		NULL	
Cancel_Date	date	YES		NULL	
Status	varchar(15)	YES		NULL	

Insert the values

```
INSERT into cancellation VALUES(205143,14648143,1400.00,'20211125','Exemption'), (205167,14648167,1500.00,'20211124','Exemption');
```

Cancel_ID	Ticket_ID	Refund_Amount	Cancel_Date	Status
205143	14648143	1400.00	2021-11-25	Exemption
205167	14648167	1500.00	2021-11-24	Exemption

ER-Diagram

Admin
- A_ID
- Admin Name
- Login_ID
- Password

Cancelation
- Cancel_id
- Ticket_ID
- Refund_Amoun
- Status
- Cancel_Date

Admin —— **Approved** —— Cancelation 1'

Admin —— **Manages** —— Booking

Booking
- Seat_No
- Passenger Name
- Gender
- Phone No
- Status
- Booking_Mode
- Ticket_ID

1 Booking

many to many

Bus
- Bus_Name
- Seater_Seats
- Sleeper_Seats
- Cost
- Bus_ID
- Status

Bus 1

Passenger
- Status
- Phone_Number
- P_ID
- Email_ID
- Gender
- DOB
- Passenger_Name

Passenger —— **Travel** —— 1' Place

Passenger 1 —— Place

Place
- Bus_ID
- Source_Location
- Destination
- Arrival_Time
- Depature Time
- Status
- Sleeper_Cost
- Seater_Cost

JOINS

JOINING the two tables with same matching values

TABLE : Bus_details

Bus_ID	Bus_Name	Seater_Seats	Sleeper_Seats	Cost	Status
4	Orange Travels	28	8	Seater=950.00, Sleeper=1300.00	Mumbai To Jagityal
6	Bhumi Travels	26	6	Seater=1000.00, Sleeper=1350.0	Mumbai To Hydrabad
8	Saipooja Travels	14	5	Seater=1150.00, Sleeper=1400.0	Mumbai To Jagityal
9	Anand Travels	13	6	Seater=1250.00, Sleeper=1500.0	Mumbai To Banlore
12	VRL Travels	9	3	Seater=1250.00, Sleeper=1500.0	Mumbai To Banglore

TABLE : Boarding_details

Bus_ID	Source_Location	Destination	Arrival_Time	Depature_Time	Seater_Cost	Sleeper_Cost	Status
4	Mumbai	Jagityal	14:30:00	07:49:00	950.00	1300.00	Active
6	Mumbai	Hydrabad	16:00:00	10:30:00	1000.00	1350.00	Active
8	Mumbai	Jagityal	14:00:00	06:10:00	1150.00	1400.00	Active
9	Mumbai	Banglore	12:30:00	08:15:00	1250.00	1500.00	Active
12	Mumbai	Banglore	13:10:00	08:20:00	1250.00	1500.00	Active

SELECT b. Bus_id, b. Bus_Name, d. Source_Location, d. Destination

FROM bus_details b INNER JOIN boarding_details d ON b. Bus_ID = d. Bus_ID;

Showing rows 0 - 4 (5 total, Query took 0.0044 seconds.)

SELECT b. Bus_id, b. Bus_Name, d. Source_Location, d. Destination FROM bus_details b INNER JOIN boarding_details d ON b. Bus_ID = d. Bus_ID;

Bus_id	Bus_Name	Source_Location	Destination
4	Orange Travels	Mumbai	Jagityal
6	Bhumi Travels	Mumbai	Hydrabad
8	Saipooja Travels	Mumbai	Jagityal
9	Anand Travels	Mumbai	Banglore
12	VRL Travels	Mumbai	Banglore

Join the three tables using join or inner

 join Joining the three tables

SELECT passenger_details. Passenger_ID , Passenger_details.Passenger_Name, booking_details.Seat_No, Bus_details.Bus_Name

FROM ((Passenger_details INNER JOIN bus_details ON Passenger_details.Passenger_ID = bus_details.Bus_ID) INNER JOIN Booking_details ON Passenger_details.Passenger_Name = booking_details.Passenger_Name);

```
SELECT passenger_details. Passenger_ID , Passenger_details.Passenger_Name, booking_details.Seat_No, Bus_details.Bus_Name FROM ((Passenger_details INNER JOIN bus_details ON
Passenger_details.Passenger_ID = bus_details.Bus_ID) INNER JOIN Booking_details ON Passenger_details.Passenger_Name = booking_details.Passenger_Name);
```

Passenger_ID	Passenger_Name	Seat_No	Bus_Name
4	Neha Sharma	B3	Orange Travels
8	Gurjender Singh	F10	Saipooja Travels

Left outer join

SELECT Cancellation.Ticket_ID, Cancellation.Cancel_Date, booking_details.Seat_No,Booking_details.Passenger_Name

FROM Cancellation LEFT JOIN Booking_details ON cancellation. Ticket_ID = booking_details. Ticket_ID

```
SELECT Cancellation.Ticket_ID, Cancellation.Cancel_Date, booking_details.Seat_No,Booking_details.Passenger_Name FROM Cancellation LEFT JOIN Booking_details ON
cancellation. Ticket_ID = booking_details. Ticket_ID;
```

Ticket_ID	Cancel_Date	Seat_No	Passenger_Name
14648143	2021-11-25	U2	Rohit Mehra
14648167	2021-11-24	L2	Vimla Naidu

Right Outer Join

SELECT Cancellation.Ticket_ID, Cancellation.Cancel_Date, booking_details.Seat_No,Booking_details.Passenger_Name

FROM Cancellation RIGHT JOIN Booking_details ON cancellation. Ticket_ID = booking_details. Ticket_ID

```
SELECT Cancellation.Ticket_ID, Cancellation.Cancel_Date, booking_details.Seat_No,Booking_details.Passenger_Name FROM Cancellation RIGHT JOIN Booking_details ON
cancellation. Ticket_ID = booking_details. Ticket_ID;
```

Ticket_ID	Cancel_Date	Seat_No	Passenger_Name
14648143	2021-11-25	U2	Rohit Mehra
14648167	2021-11-24	L2	Vimla Naidu
NULL	NULL	L7	Vijay Raghvan
NULL	NULL	B2	Pranali Jadhav
NULL	NULL	F1	Vikas Manhotra
NULL	NULL	B3	Neha Sharma
NULL	NULL	D8	Jino joseph
NULL	NULL	L4	Mehren Chaudary
NULL	NULL	F10	Gurjender Singh
NULL	NULL	F9	Sindhu Pujari

VIEWS

Views in the sql

Create VIEW infoview AS SELECT * FROM booking_details where Status='cancellation';

> ✔ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0052 seconds.)
>
> Create VIEW infoview AS SELECT * FROM booking_details where Status='cancellation';

select * from infoview;

Ticket_ID	Booking_Mode	Seat_No	Passenger_Name	Gender	Phone_No	Status
14648143	Cash	U2	Rohit Mehra	Male	6635463647	Cancellation
14648167	Cash	L2	Vimla Naidu	Female	8784394735	Cancellation

create or replace view infoview as select Ticket_ID,Passenger_Name,Seat_No,Phone_No FROM booking_details WHERE Passenger_Name IN ('Vijay Raghvan','Pranali Jadhav','Naha Sharma');

> ✔ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0043 seconds.)
>
> create or replace view infoview as select Ticket_ID,Passenger_Name,Seat_No,Phone_No from booking_details WHERE Passenger_Name IN ('Vijay Raghvan','Pranali Jadhav','Neha Sharma');

SELECT * FROM infoview;

Ticket_ID	Passenger_Name	Seat_No	Phone_No
14648106	Vijay Raghvan	L7	8898048312
14648110	Pranali Jadhav	B2	7546230913
14648129	Neha Sharma	B3	6657348347

INSERT the value in the view

INSERT INTO infoview values (14648175,'Net Banking','L4','Hiral Shetty' ,'Female', 7364834724,'Booking Confirm'), (14648177, 'Net Banking', 'U1',' Omkar Kadam', 'Male',9848377343, 'Booking Confirm');

> ✔ 2 rows inserted. (Query took 0.0056 seconds.)
>
> INSERT INTO infoview values (14648175,'Net Banking','L4','Hiral Shetty' ,'Female', 7364834724,'Booking Confirm'), (14648177, 'Net Banking', 'U1',' Omkar Kadam', 'Male',9848377343, 'Booking Confirm');

SELECT * FROM infoview;

Ticket_ID	Booking_Mode	Seat_No	Passenger_Name	Gender	Phone_No	Status
14648106	Cash	L7	Vijay Raghvan	Male	8898048312	Booking Confirm
14648110	Net Banking	B2	Pranali Jadhav	Female	7546230913	Booking Confirm
14648122	Advance Cash	F1	Vikas Manhotra	Male	9873425681	Booking Confirm
14648129	Cash	B3	Neha Sharma	Female	6657348347	Booking Confirm
14648139	Net Banking	D8	Jino joseph	Male	8776737558	Resheduled
14648143	Cash	U2	Rohit Mehra	Male	6635463647	Cancellation
14648149	Cash	L4	Mehren Chaudary	Female	9773643643	Booking Confirm
14648156	Net Banking	F10	Gurjender Singh	Male	9985847533	Booking Confirm
14648167	Cash	L2	Vimla Naidu	Female	8784394735	Cancellation
14648172	Net Banking	F9	Sindhu Pujari	Female	9387384632	Booking Confirm
14648175	Net Banking	L4	Hiral Shetty	Female	7364834724	Booking Confirm
14648177	Net Banking	U1	Omkar Kadam	Male	9848377343	Booking Confirm

Alter The view

ALTER VIEW infoview as SELECT Ticket_ID,Seat_No,Passenger_Name

 FROM booking_details;

✔️ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0068 seconds.)

```
ALTER VIEW infoview as SELECT Ticket_ID,Seat_No,Passenger_Name FROM booking_details;
```

SELECT * FROM infoview;

Ticket_ID	Seat_No	Passenger_Name
14648106	L7	Vijay Raghvan
14648110	B2	Pranali Jadhav
14648122	F1	Vikas Manhotra
14648129	B3	Neha Sharma
14648139	D8	Jino joseph
14648143	U2	Rohit Mehra
14648149	L4	Mehren Chaudary
14648156	F10	Gurjender Singh
14648167	L2	Vimla Naidu
14648172	F9	Sindhu Pujari
14648175	L4	Hiral Shetty
14648177	U1	Omkar Kadam

Update the records using view

update infoview SET Passenger_Name='Vikas Manhotra',Seat_No='F1'

WHERE Ticket_ID=14648122;

✔️ 1 row affected. (Query took 0.0045 seconds.)

```
update infoview SET Passenger_Name='Vikas Manhotra',Seat_No='F1' WHERE Ticket_ID=14648122;
```

Ticket_ID	Booking_Mode	Seat_No	Passenger_Name	Gender	Phone_No	Status
14648106	Cash	L7	Vijay Raghvan	Male	8898048312	Booking Confirm
14648110	Net Banking	B2	Pranali Jadhav	Female	7546230913	Booking Confirm
14648122	Advance Cash	F1	Vikas Manhotra	Male	9873425681	Booking Confirm
14648129	Cash	B3	Neha Sharma	Female	6657348347	Booking Confirm
14648139	Net Banking	D8	Jino joseph	Male	8776737558	Resheduled
14648143	Cash	U2	Rohit Mehra	Male	6635463647	Cancellation
14648149	Cash	L4	Mehren Chaudary	Female	9773643643	Booking Confirm
14648156	Net Banking	F10	Gurjender Singh	Male	9985847533	Booking Confirm
14648167	Cash	L2	Vimla Naidu	Female	8784394735	Cancellation
14648172	Net Banking	F9	Sindhu Pujari	Female	9387384632	Booking Confirm
14648175	L4	Net Banking	Hiral Shetty	Female	7364834724	Booking Confirm
14648177	U1	Net Banking	Omkar Kadam	Male	9848377343	Booking Confirm

Delete the records from the view

delete from infoview WHERE Passenger_Name in ('Vijay Raghavan','Hiral Shetty','Omkar Kadam');

✔ 1 row affected. (Query took 0.0068 seconds.)

```
delete from infoview WHERE Ticket_ID=14648106;
```

Select* from infoview;

Ticket_ID	Booking_Mode	Seat_No	Passenger_Name	Gender	Phone_No	Status
14648110	Net Banking	B2	Pranali Jadhav	Female	7546230913	Booking Confirm
14648122	Advance Cash	F1	Vikas Manhotra	Male	9873425681	Booking Confirm
14648129	Cash	B3	Neha Sharma	Female	6657348347	Booking Confirm
14648139	Net Banking	D8	Jino joseph	Male	8776737558	Resheduled
14648143	Cash	U2	Rohit Mehra	Male	6635463647	Cancellation
14648149	Cash	L4	Mehren Chaudary	Female	9773643643	Booking Confirm
14648156	Net Banking	F10	Gurjender Singh	Male	9985847533	Booking Confirm
14648167	Cash	L2	Vimla Naidu	Female	8784394735	Cancellation
14648172	Net Banking	F9	Sindhu Pujari	Female	9387384632	Booking Confirm
14648177	Net Banking	U1	Omkar Kadam	Male	9848377343	Booking Confirm

Stored Procedure

Create procedure **Without** parameter

delimiter //

create procedure booking()

begin

select *

from booking_details

where Ticket_ID between 14648129 and 14648167;

end;//

```
MariaDB [(none)]> use travels_management;
Database changed
MariaDB [travels_management]> delimiter //
MariaDB [travels_management]> create procedure booking()
    -> begin
    -> select *
    -> from booking_details
    -> where Ticket_ID between 14648129 and 14648167;
    -> end;//
Query OK, 0 rows affected (0.010 sec)
```

Call the Procedure

call booking();

```
MariaDB [travels_management]> call booking();
    -> //
+-----------+--------------+---------+-----------------+--------+------------+----------------+
| Ticket_ID | Booking_Mode | Seat_No | Passenger_Name  | Gender | Phone_No   | Status         |
+-----------+--------------+---------+-----------------+--------+------------+----------------+
|  14648129 | Cash         | B3      | Neha Sharma     | Female | 6657348347 | Booking Confirm |
|  14648139 | Net Banking  | D8      | Jino joseph     | Male   | 8776737558 | Resheduled     |
|  14648143 | Cash         | U2      | Rohit Mehra     | Male   | 6635463647 | Cancellation   |
|  14648149 | Cash         | L4      | Mehren Chaudary | Female | 9773643643 | Booking Confirm |
|  14648156 | Net Banking  | F10     | Gurjender Singh | Male   | 9985847533 | Booking Confirm |
|  14648167 | Cash         | L2      | Vimla Naidu     | Female | 8784394735 | Cancellation   |
+-----------+--------------+---------+-----------------+--------+------------+----------------+
6 rows in set (0.001 sec)

Query OK, 0 rows affected (0.066 sec)
```

1Access a **multiple table** at the same time using stored procedure

delimiter %

create procedure access_tbl ()

begin

select * from admin_details;

select * from bus_details;

select * from cancellation;

end;%

```
MariaDB [travels_management]> delimiter %
MariaDB [travels_management]> create procedure access_tbl()
    -> begin
    -> select * from admin_details;
    -> select * from bus_details;
    -> select * from cancellation;
    -> end;%
Query OK, 0 rows affected (0.005 sec)
```

Call access_tbl()

```
MariaDB [travels_management]> call access_tbl();%
+----------+---------------+----------------------+----------+
| Admin_ID | Admin_Name    | Login_ID             | Password |
+----------+---------------+----------------------+----------+
|   101021 | Raghu Reddy   | orange@travels.com   | ******** |
|   103011 | Allen         | bhumi@travels.com    | ******** |
|   104021 | Mohammad Ali  | saipooja@travels.com | ******** |
|   105004 | Jasmin Shetty | anand@travels.com    | ******** |
|   106003 | joel Desuza   | vrl@travels.com      | ******** |
|   107002 | Anthony jhon  | Neeta@travels.com    | ******** |
+----------+---------------+----------------------+----------+
6 rows in set (0.001 sec)

+--------+-----------------+--------------+--------------+----------------------------------+---------------------+
| Bus_ID | Bus_Name        | Seater_Seats | Sleeper_Seats | Cost                            | Status              |
+--------+-----------------+--------------+--------------+----------------------------------+---------------------+
|      4 | Orange Travels  |           28 |            8 | Seater=950.00, Sleeper=1300.00  | Mumbai To Jagityal  |
|      6 | Bhumi Travels   |           26 |            6 | Seater=1000.00, Sleeper=1350.0  |  Mumbai To Hydrabad |
|      8 | Saipooja Travels |          14 |            5 | Seater=1150.00, Sleeper=1400.0  | Mumbai To Jagityal  |
|      9 | Anand Travels   |           13 |            6 | Seater=1250.00, Sleeper=1500.0  | Mumbai To Banlore   |
|     12 | VRL Travels     |            9 |            3 | Seater=1250.00, Sleeper=1500.0  | Mumbai To Banglore  |
+--------+-----------------+--------------+--------------+----------------------------------+---------------------+
5 rows in set (0.061 sec)

+-----------+-----------+---------------+-------------+-----------+
| Cancel_ID | Ticket_ID | Refund_Amount | Cancel_Date | Status    |
+-----------+-----------+---------------+-------------+-----------+
|    205143 |  14648143 |       1400.00 | 2021-11-25  | Exemption |
|    205167 |  14648167 |       1500.00 | 2021-11-24  | Exemption |
+-----------+-----------+---------------+-------------+-----------+
2 rows in set (0.108 sec)
```

Insert the values in the table using procedure

delimiter %

create procedure add_admin_tbl()

begin

insert into admin_details values(2010512,'Ramesh babu','shivneri@travels.com','********');

end;%

```
MariaDB [travels_management]> delimiter %
MariaDB [travels_management]> create procedure add_admin_tbl()
    -> begin
    -> insert into admin_details values(2010512,'Ramesh babu','shivneri@travels.com','********');
    -> end;%
Query OK, 0 rows affected (0.007 sec)
```

Call add_admin_tbl();%

```
MariaDB [travels_management]> call add_admin_tbl();%
Query OK, 1 row affected (0.005 sec)

MariaDB [travels_management]> delimiter ;
MariaDB [travels_management]> select * from admin_details;
+----------+---------------+----------------------+----------+
| Admin_ID | Admin_Name    | Login_ID             | Password |
+----------+---------------+----------------------+----------+
|   101021 | Raghu Reddy   | orange@travels.com   | ******** |
|   103011 | Allen         | bhumi@travels.com    | ******** |
|   104021 | Mohammad Ali  | saipooja@travels.com | ******** |
|   105004 | Jasmin Shetty | anand@travels.com    | ******** |
|   106003 | joel Desuza   | vrl@travels.com      | ******** |
|   107002 | Anthony jhon  | Neeta@travels.com    | ******** |
|  2010512 | Ramesh babu   | shivneri@travels.com | ******** |
+----------+---------------+----------------------+----------+
7 rows in set (0.001 sec)
```

Procedure with parameter

1).Create procedure **IN** parameter

create procedure Show_name(IN name varchar(55))

begin

select Ticket_ID,Seat_No,Passenger_Name,Status

from booking_details

where Passenger_Name=name;

end;//

```
MariaDB [travels_management]> create procedure Show_name(IN name varchar(55))
    -> begin
    -> select Ticket_ID,Seat_No,Passenger_Name,Status
    -> from booking_details
    -> where Passenger_Name=name;
    -> end;//
Query OK, 0 rows affected (0.007 sec)
```

Call the procedure

```
MariaDB [travels_management]> call show_name('Vikas Manhotra');//
+-----------+---------+----------------+-----------------+
| Ticket_ID | Seat_No | Passenger_Name | Status          |
+-----------+---------+----------------+-----------------+
|  14648122 | F1      | Vikas Manhotra | Booking Confirm |
+-----------+---------+----------------+-----------------+
1 row in set (0.001 sec)

Query OK, 0 rows affected (0.015 sec)

MariaDB [travels_management]> call show_name('Jino joseph');//
+-----------+---------+----------------+------------+
| Ticket_ID | Seat_No | Passenger_Name | Status     |
+-----------+---------+----------------+------------+
|  14648139 | D8      | Jino joseph    | Resheduled |
+-----------+---------+----------------+------------+
1 row in set (0.001 sec)

Query OK, 0 rows affected (0.014 sec)
```

```
MariaDB [travels_management]> call show_name('Vimla Naidu');//
+-----------+---------+----------------+--------------+
| Ticket_ID | Seat_No | Passenger_Name | Status       |
+-----------+---------+----------------+--------------+
|  14648167 | L2      | Vimla Naidu    | Cancellation |
+-----------+---------+----------------+--------------+
1 row in set (0.001 sec)

Query OK, 0 rows affected (0.006 sec)

MariaDB [travels_management]> call show_name('Gurjender Singh');//
+-----------+---------+-----------------+-----------------+
| Ticket_ID | Seat_No | Passenger_Name  | Status          |
+-----------+---------+-----------------+-----------------+
|  14648156 | F10     | Gurjender Singh | Booking Confirm |
+-----------+---------+-----------------+-----------------+
1 row in set (0.001 sec)

Query OK, 0 rows affected (0.015 sec)
```

2).Create procedure OUT Parameter

create procedure CountByStatus(IN B_Status varchar(55),OUT Total INT)

begin

select count(Ticket_ID) into Total

from booking_details

where Status=B_Status;

end;//

```
MariaDB [travels_management]> create procedure CountByStatus(IN B_Status varchar(55),OUT Total INT)
    -> begin
    -> select count(Ticket_ID) into Total
    -> from booking_details
    -> where Status=B_Status;
    -> end;//
Query OK, 0 rows affected (0.007 sec)
```

Pass an argument to return a value

Call CountByStatus('Booking Confirm',@Total);

Select @Total;

```
MariaDB [travels_management]> call CountByStatus('Booking Confirm',@Total);//
Query OK, 1 row affected (0.001 sec)

MariaDB [travels_management]> select @Total;//
+--------+
| @Total |
+--------+
|      7 |
+--------+
1 row in set (0.000 sec)

MariaDB [travels_management]> call CountByStatus('Cancellation',@Total);//
Query OK, 1 row affected (0.001 sec)

MariaDB [travels_management]> select @Total;//
+--------+
| @Total |
+--------+
|      2 |
+--------+
1 row in set (0.001 sec)
```

```
MariaDB [travels_management]> call CountByStatus('Resheduled',@Total);//
Query OK, 1 row affected (0.001 sec)

MariaDB [travels_management]> select @Total;//
+--------+
| @Total |
+--------+
|      1 |
+--------+
1 row in set (0.001 sec)

MariaDB [travels_management]> _
```

Exception Handling

create or replace procedure insert_val(No int,AName varchar(30),Lg varchar(50),pswd varchar(25))

   -> begin

   -> declare exit handler for SQLEXCEPTION

   -> begin

   -> select 'Values already inserted'as message;

   -> end;

   -> insert into Admin_Details values(107002,'Anthonyjhon','Neeta@travels.com','********');

   -> end;//

```
ariaDB [travels_management]> create or replace procedure insert_val(No int,AName varchar(30),Lg varchar(50),pswd varchar(25))
   -> begin
   -> declare exit handler for SQLEXCEPTION
   -> begin
   -> select 'Values already inserted'as message;
   -> end;
   -> insert into Admin_Details values(107002,'Anthony jhon','Neeta@travels.com','********');
   -> end;//
uery OK, 0 rows affected (0.007 sec)

ariaDB [travels_management]> call insert_val(109004,'Rohit shetty','Tirumala@travels.com','********');//
-----------------------+
message                |
-----------------------+
Values already inserted |
-----------------------+
 row in set (0.001 sec)

uery OK, 0 rows affected (0.014 sec)

ariaDB [travels_management]> call insert_val(111004,'omkar mohan','orange@travels.com','********');//
-----------------------+
message                |
-----------------------+
Values already inserted |
-----------------------+
 row in set (0.001 sec)
```

Conditional Statements

1). Using If else Create a function using two numbers which number a is greater
I return A is gtrater than b, and b is greater it returns b is greater than a

create function greater (x int,y int)

returns varchar (100)

begin

if x>y then

return 'x is greater than y';

else

return 'y is greater than x';

end if;

end;//

Call the function

Select greater(14648106,14648110)

```
MariaDB [travels_management]> create function greater(x int,y int)
    -> returns varchar(100)
    -> begin
    -> if x>y then
    -> return 'x is greater than y';
    -> else
    -> return 'y is greater than x';
    -> end if;
    -> end;//
Query OK, 0 rows affected (0.007 sec)

MariaDB [travels_management]> select greater(14648106,14648110);//
+----------------------------+
| greater(14648106,14648110) |
+----------------------------+
| y is greater than x        |
+----------------------------+
1 row in set (0.001 sec)

MariaDB [travels_management]>
```

Looping Statements

1). Loop

1).Create a procedure using loop without declaring condition and disply the message n number of times.

```
MariaDB [travels_management]> delimiter //
MariaDB [travels_management]> create procedure infinite()
    -> begin
    -> naresh:loop
    -> select 'Welcome to Bhumi Travels';
    -> iterate naresh;
    -> leave naresh;
    -> end loop;
    -> end;//
Query OK, 0 rows affected (0.008 sec)
```

```
1 row in set (1 min 49.622 sec)

+--------------------------+
| Welcome to Bhumi Travels |
+--------------------------+
| Welcome to Bhumi Travels |
+--------------------------+
1 row in set (1 min 49.623 sec)

+--------------------------+
| Welcome to Bhumi Travels |
+--------------------------+
| Welcome to Bhumi Travels |
+--------------------------+
1 row in set (1 min 49.624 sec)

+--------------------------+
| Welcome to Bhumi Travels |
+--------------------------+
| Welcome to Bhumi Travels |
+--------------------------+
1 row in set (1 min 49.626 sec)

+--------------------------+
| Welcome to Bhumi Travels |
```

2). Create a procedure set the value is 10 using loop with if condition decrease the value

create procedure decre_lp()

begin

declare v int;

set v=10;

naresh:loop   # loop name as naresh

select v 'Decrement';

if v>1 then

set v=v-1;

iterate naresh;   # Repeatation of a loop

end if;

leave naresh;

end loop;

end;//

```
MariaDB [travels_management]> create procedure decre_lp()
    -> begin
    -> declare v int;
    -> set v=10;
    -> naresh:loop
    -> select v 'Decrement';
    -> if v>1 then
    -> set v=v-1;
    -> iterate naresh;
    -> end if;
    -> leave naresh;
    -> end loop;
    -> end;//
Query OK, 0 rows affected (0.012 sec)
```

Call decre_lp();//

```
MariaDB [travels_management]> call decre_lp();//
+-----------+
| Decrement |
+-----------+
|        10 |
+-----------+
1 row in set (0.001 sec)

+-----------+
| Decrement |
+-----------+
|         9 |
+-----------+
1 row in set (0.008 sec)

+-----------+
| Decrement |
+-----------+
|         8 |
+-----------+
1 row in set (0.019 sec)

+-----------+
| Decrement |
+-----------+
|         7 |
+-----------+
1 row in set (0.031 sec)

+-----------+
| Decrement |
+-----------+
|         6 |
+-----------+
1 row in set (0.039 sec)
```

```
+-----------+
| Decrement |
+-----------+
|         3 |
+-----------+
1 row in set (0.069 sec)

+-----------+
| Decrement |
+-----------+
|         2 |
+-----------+
1 row in set (0.080 sec)

+-----------+
| Decrement |
+-----------+
|         1 |
+-----------+
1 row in set (0.088 sec)
```

2) Repeate loop (until condition was true)

```
create procedure Repeat_lp()

begin

declare b int;

set b=1;

rloop:repeat              # repeat is my type of loop & rloop is my loop name

select b;

set b=b+1;

until b>5                 # you terminate a repeat statement with the  using until condition.

end repeat rloop;

end;//
```

```
MariaDB [travels_management]> create procedure Repeat_lp()
    -> begin
    -> declare b int;
    -> set b=1;
    -> rloop:repeat
    -> select b;
    -> set b=b+1;
    -> until b>5
    -> end repeat rloop;
    -> end;//
Query OK, 0 rows affected (0.007 sec)
```

Call Reapeat_lp();

```
MariaDB [travels_management]> call Repeat_lp();//
+------+
| b    |
+------+
|    1 |
+------+
1 row in set (0.001 sec)

+------+
| b    |
+------+
|    2 |
+------+
1 row in set (0.008 sec)

+------+
| b    |
+------+
|    3 |
+------+
1 row in set (0.013 sec)

+------+
| b    |
+------+
|    4 |
+------+
1 row in set (0.017 sec)

+------+
| b    |
+------+
|    5 |
+------+
1 row in set (0.028 sec)
```

3). While loop

CREATE procedure while_lp()

BEGIN

declare num int;

set num = 1;

wloop:while num<=3 do

select num;

set num = num+1;

end while wloop ;

end;//

```
MariaDB [travels_management]> CREATE procedure while_lp()
    -> BEGIN
    -> declare num int;
    -> set num = 1;
    -> wloop:while num<=3 do
    -> select num;
    -> set num = num+1;
    -> end while wloop  ;
    -> end;//
Query OK, 0 rows affected (0.005 sec)
```

Call while_lp()

```
MariaDB [travels_management]> call while_lp();//
+------+
| num  |
+------+
|    1 |
+------+
1 row in set (0.001 sec)

+------+
| num  |
+------+
|    2 |
+------+
1 row in set (0.006 sec)

+------+
| num  |
+------+
|    3 |
+------+
1 row in set (0.009 sec)

Query OK, 0 rows affected (0.018 sec)
```

Stored Functions

1). Multiplication of two numbers using stored function

create function Multiply(x int,y int)

returns int

begin

return x*y;

end;//

```
MariaDB [travels_management]> create function Multiply(x int,y int)
    -> returns int
    -> begin
    -> return x*y;
    -> end;//
Query OK, 0 rows affected (0.006 sec)
```

Select Multiply(24,5);//

```
MariaDB [travels_management]> select Multiply(19,8) ;//
+---------------+
| Multiply(19,8) |
+---------------+
|           152 |
+---------------+
1 row in set (0.001 sec)

MariaDB [travels_management]> select Multiply(24,5) 'Multiplication of two numbers ';//
+-------------------------------+
| Multiplication of two numbers |
+-------------------------------+
|                           120 |
+-------------------------------+
1 row in set (0.001 sec)

MariaDB [travels_management]> select Multiply(16,5) 'Multiplication of two numbers ';//
+-------------------------------+
| Multiplication of two numbers |
+-------------------------------+
|                            80 |
+-------------------------------+
1 row in set (0.001 sec)
```