**CASE STUDY**

**RAILWAY MANAGEMENT**

V.MOUNIKA

AP18110010518

CSE-H

**Query:**

**create database railwaymanagement;**

**use railwaymanagement;**

**create table train(**

**Train\_Number int unique,**

**Train\_Name varchar(20),**

**Source1 varchar(20),**

**Destination varchar(20),**

**Ac\_Cost varchar(20),**

**Gen\_Cost varchar(20),**

**Sun\_Avilable varchar(20),**

**Sat\_Avilable varchar(20),**

**constraint Trainsid primary key(Train\_Number));**

**create table TrainStatus(**

**TrainDate Date,**

**Ac\_Seat int(20),**

**Gen\_Seat int(20),**

**BookedDate date ,**

**TrainNumber int(20),**

**constraint TrainNumber foreign key(TrainNumber)references Train(Train\_Number));**

**create table Passenger(**

**TicketID int(5),**

**PName varchar(20),**

**PAddress varchar(20),**

**P\_age int(20),**

**PCategory varchar(20),**

**PStatus varchar(20),**

**PGender varchar(20),**

**BookedDate date,**

**Train1Number int(20),**

**constraint Passenger primary key(TicketID),**

**constraint Train1Number foreign key(Train1Number)references Train(Train\_Number));**

**desc Passenger;**

**create table BookedTicket(**

**train\_Number int Not NULL,**

**BookedDate date,**

**category varchar(10),**

**constraint train\_Number foreign key(train\_Number)references Train(Train\_Number));**

**desc BookedTicket;**

**create table cancel(**

**Ticket\_ID INT(10),**

**Dateofbooked date,**

**constraint ticketid foreign key(Ticket\_ID)references Passenger(TicketID));**

**desc cancel;**

**insert into train(Train\_Number,Train\_Name,Source1,Destination,Ac\_Cost,Gen\_Cost,sun\_avilable,sat\_avilable)**

**values(1,'Bussiness Train','Hyderabad','sukkur',2000,1200,'yes','no');**

**insert into train(Train\_Number,Train\_Name,Source1,Destination,Ac\_Cost,Gen\_Cost,sun\_avilable,sat\_avilable)**

**values(2,'sukkur express','sukkur','lahore',1200,700,'no','yes');**

**insert into train(Train\_Number,Train\_Name,Source1,Destination,Ac\_Cost,Gen\_Cost,sun\_avilable,sat\_avilable)**

**values(3,'jaffer express','lahore','quetta',1300,1500,'yes','no');**

**insert into train(Train\_Number,Train\_Name,Source1,Destination,Ac\_Cost,Gen\_Cost,sun\_avilable,sat\_avilable)**

**values(4,'shalimar express','quetta','KHI',1500,1200,'yes','yes');**

**insert into train(Train\_Number,Train\_Name,Source1,Destination,Ac\_Cost,Gen\_Cost,sun\_avilable,sat\_avilable)**

**values(5,'karakarum','KHI','Sukkur',1500,1200,'yes','yes');**

**select \* from train;**

**insert into TrainStatus(TrainDate,Ac\_Seat,Gen\_Seat,BookedDate,TrainNumber)**

**values('2019-12-25',23,20,'2019-12-20',1);**

**insert into TrainStatus(TrainDate,Ac\_Seat,Gen\_Seat,BookedDate,TrainNumber)**

**values('2019-12-25',19,18,'2019-12-23',2);**

**insert into TrainStatus(TrainDate,Ac\_Seat,Gen\_Seat,BookedDate,TrainNumber)**

**values('2019-12-26',15,13,'2019-12-24',5);**

**insert into TrainStatus(TrainDate,Ac\_Seat,Gen\_Seat,BookedDate,TrainNumber)**

**values('2020-01-20',10,9,'2020-01-14',3);**

**insert into TrainStatus(TrainDate,Ac\_Seat,Gen\_Seat,BookedDate,TrainNumber)**

**values('2019-12-21',17,16,'2019-12-19',4);**

**select \* from TrainStatus;**

**insert into Passenger(TicketID,Train1Number,BookedDate,pGender,PName,P\_age,PAddress,PStatus,PCategory)**

**values(1,3,'2017-12-18','female','sana',19,'mumbai','yes','general');**

**insert into Passenger(TicketID,Train1Number,BookedDate,pGender,PName,P\_age,PAddress,PStatus,PCategory)**

**values(2,4,'2017-12-27','male','salman',12,'chennai','yes','AC');**

**insert into Passenger(TicketID,Train1Number,BookedDate,pGender,PName,P\_age,PAddress,PStatus,PCategory)**

**values(3,5,'2017-12-20','female','honey',25,'hyderabad','yes','AC');**

**select \* from Passenger;**

**insert into BookedTicket(train\_Number,BookedDate,Category)**

**values(1,'2019-12-27','General');**

**insert into BookedTicket(train\_Number,BookedDate,Category)**

**values(2,'2019-12-12','AC');**

**insert into BookedTicket(train\_Number,BookedDate,Category)**

**values(3,'2017-12-27','AC');**

**select \* from BookedTicket;**

**insert into Cancel(Ticket\_ID,Dateofbooked)**

**values(1,'2017-12-27');**

**insert into Cancel(Ticket\_ID,Dateofbooked)**

**values(2,'2017-12-22');**

**select \* from Cancel;**

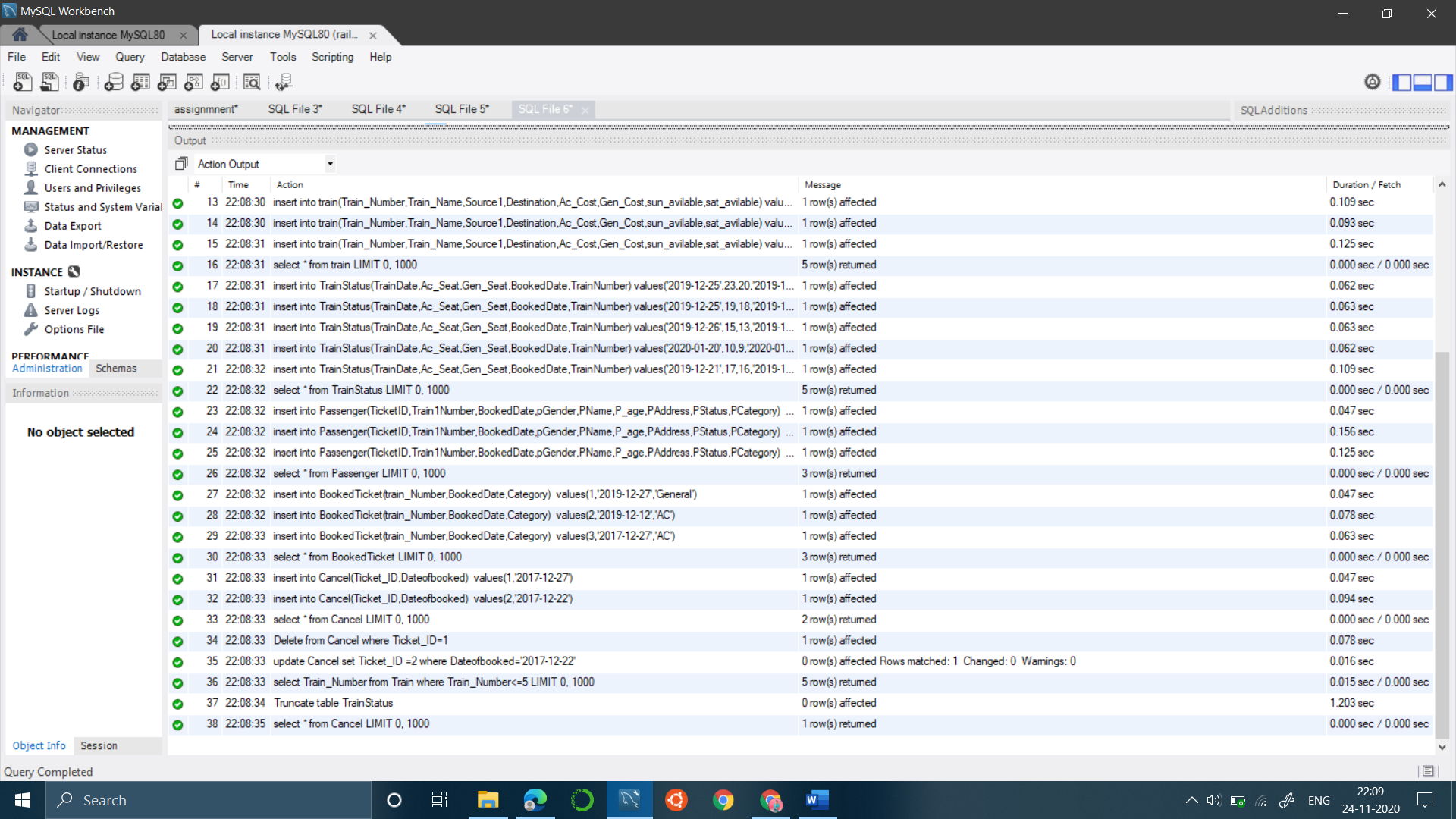
**Delete from Cancel where Ticket\_ID=1;**

**update Cancel set Ticket\_ID =2 where Dateofbooked='2017-12-22';**

**select Train\_Number from Train where Train\_Number<=5;**

**Truncate table TrainStatus;**

**select \* from Cancel;**

****