Create table agent(agent\_id varchar(30) primary key,agentname varchar(50),contact\_number int ,address varchar(80),commission int);

Create table coaches(coach\_id varchar(30) primary key,seating\_capacity int ,distance\_after\_last\_maintenance int ,train\_id varchar(30),last\_maintainence\_date date);

Create table driver(driver\_id varchar(30) primary key,driver\_name varchar(50),phone int,city\_of\_residance varchar(50));

Create table maintenance(maintenance\_id varchar(30) primary key,date date,type varchar(80),coach\_id varchar(30));

Create table passenger (passenger\_id varchar (30) primary key, name varchar (50),age int, age\_group varchar (40), contact\_number int);

Create table route(route\_id varchar(30) primary key,route\_name varchar(50),distance int,time\_taken varchar(50),operating\_days varchar(80),start\_location varchar(60),end\_location varchar(60));

Create table train(train\_id varchar(30) primary key,meal\_on\_board varchar(30),wifi varchar(30),magazines varchar(30));

Create table station(station\_id varchar(30) primary key,name varchar(50));

Create table standby(train\_id varchar(30),standby\_id varchar(30) primary key(train\_id,standby\_id));

Create table schedule(schedule\_id varchar(30) primary key,station\_id varchar(30) ,route\_id varchar(30),train\_id varchar(30),arrival\_time time,depart\_time time,date date);

Create table RunningSchedule(rschedule\_id varchar(30) primary key,station\_id varchar(30),route\_id varchar(30),train\_id varchar(30),act\_arrival\_time time,act\_depart\_time time,date date,isdelayover30min int);

Create table driver\_roster(driver\_id varchar(30),route\_id varchar(30),remark varchar(50),date date,time time,accommodation varchar(50),primary key(driver\_id,route\_id,date,time));

Create table bookticket(ticket\_id varchar(30) primary key,seat\_no int ,price int,coach\_id varchar(30),route\_id varchar(30),journeydate date,passenger\_id varchar(30), discount int,agent\_id varchar(30),status varchar(50),bookingdate date);

load data local infile '/home/vishakha/Downloads/Iet\_sample\_data/agent.csv' into table agent fields terminated by ',' lines terminated by '\r\n' ignore 1 lines;

load data local infile '/home/vishakha/Downloads/Iet\_sample\_data/coaches.csv' into table coaches fields terminated by ',' lines terminated by '\r\n' ignore 1 lines;

load data local infile '/home/vishakha/Downloads/Iet\_sample\_data/bookticket.csv' into table bookticket fields terminated by ',' lines terminated by '\n' ignore 1 lines;

load data local infile '/home/vishakha/Downloads/Iet\_sample\_data/driver.csv' into table driver fields terminated by ',' lines terminated by '\r\n' ignore 1 lines;

load data local infile '/home/vishakha/Downloads/Iet\_sample\_data/maintenance.csv' into table maintenance fields terminated by ',' lines terminated by '\r\n' ignore 1 lines;

load data local infile '/home/vishakha/Downloads/Iet\_sample\_data/passenger.csv' into table passenger fields terminated by ',' lines terminated by '\r\n' ignore 1 lines;

load data local infile '/home/vishakha/Downloads/Iet\_sample\_data/train.csv' into table train fields terminated by ',' lines terminated by '\r\n' ignore 1 lines;

load data local infile '/home/vishakha/Downloads/Iet\_sample\_data/station.csv' into table station fields terminated by ',' lines terminated by '\r\n' ignore 1 lines;

load data local infile '/home/vishakha/Downloads/Iet\_sample\_data/Standby1.csv' into table standby fields terminated by ',' lines terminated by '\n' ignore 1 lines;

load data local infile '/home/vishakha/Downloads/Iet\_sample\_data/DriverRoster.csv' into table driver\_roster fields terminated by ',' lines terminated by '\r\n' ignore 1 lines;

load data local infile '/home/vishakha/Downloads/Iet\_sample\_data/schedule.csv' into table schedule fields terminated by ',' lines terminated by '\n' ignore 1 lines;

load data local infile '/home/vishakha/Downloads/Iet\_sample\_data/RunningSchedule.csv' into table RunningSchedule fields terminated by ',' lines terminated by '\n' ignore 1 lines;

load data local infile '/home/vishakha/Downloads/Iet\_sample\_data/Route.csv' into table route fields terminated by ',' lines terminated by '\n' ignore 1 lines;

alter table maintenance add constraint fk\_coach\_id1 foreign key(coach\_id) references coach(coach\_id);

alter table standby add constraint fk\_train\_id2 foreign key(train\_id) references train(train\_id);

alter table RunningSchedule add constraint fk\_route\_id3 foreign key(route\_id) references route(route\_id);

alter table RunningSchedule add constraint fk\_station\_id1 foreign key(station\_id) references station(station\_id);

alter table RunningSchedule add constraint fk\_train\_id1 foreign key(train\_id) references train(train\_id);

alter table schedule add constraint fk\_station\_id foreign key(station\_id) references station(station\_id);

alter table schedule add constraint fk\_train\_id foreign key(train\_id) references train(train\_id);

alter table schedule add constraint fk\_route\_id2 foreign key(route\_id) references route(route\_id);

alter table driver\_roster add constraint fk\_route\_id1 foreign key(route\_id) references route(route\_id);

alter table driver\_roster add constraint fk\_driver\_id foreign key(driver\_id) references driver(driver\_id);

alter table bookticket add constraint fk\_coach\_id foreign key(coach\_id) references coaches(coach\_id);

alter table bookticket add constraint fk\_route\_id foreign key(route\_id) references route(route\_id);

set foreign\_key\_checks=0;

alter table bookticket add constraint fk\_agent\_id foreign key(agent\_id) references agent(agent\_id);

alter table bookticket add constraint fk\_passenger\_id foreign key(passenger\_id) references passenger(passenger\_id);

select t.train\_id,count(bt.ticket\_id) as monthly\_seats\_sold from train t join coaches c on t.train\_id=c.train\_id join bookticket bt on c.coach\_id join route r on bt.route\_id=r.route\_id where r.route\_name='Dharwad - Bengaluru' and month(bt.journeydate)=10 and year(bt.journeydate)=year(curdate()) group by t.train\_id order by monthly\_seats\_sold asc;