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

CREATE Table passenger( passenger\_id VARCHAR(4) NOT NULL PRIMARY KEY ,name VARCHAR(15) NOT NUL,age INTEGER NOT NUL ,age\_group VARCHAR(6) NOT NULL ,contact\_number NUMERIC(11,9) NOT NULL));

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 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, foreign key (train\_id) references train(train\_id));

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 maintenance(maintenance\_id varchar(30) primary key,date date,type varchar(80),coach\_id varchar(30),foreign key(coach\_id) references coaches(coach\_id));

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

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);

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);

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);

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);

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));

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);

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);

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);

**All the data inserted using csv file to sql converter.**