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| CREATE DATABASE IF NOT EXISTS Flight\_Management;  use Flight\_Management; |
| Create table if not exists Logins (  Username varchar(20) ,  Password Varchar (20) ,  Type varchar(10),  Primary Key (Username)  ); |
| Create table if not exists Customer (  Cust\_num INT not null auto\_increment ,  Username varchar(20) UNIQUE,  Name varchar(40) ,  Email varchar(20) ,  Gender enum("M" , "F") ,  Date\_of\_birth date not null ,  passport\_number varchar(15) not null ,  foreign key (Username) references Logins(Username) ,  Primary key (Cust\_num)  ); |
| Create table if not exists Airplane (  Flight\_num int not null auto\_increment ,  num\_seats int ,  model varchar(20) ,  company varchar(20) ,  primary key (Flight\_num)  ); |
| Create table if not exists Airport (  Airport\_num int not null auto\_increment ,  Name Varchar(20) unique ,  Location varchar(20) unique ,  primary key (Airport\_num)  ) ; |
| Create table if not exists Flight\_legs (  Leg\_num int not null auto\_increment ,  flight\_num int ,  Arrival\_Airport int ,  departure\_airport int ,  flight\_status enum  ('ACTIVE','SCHEDULED', 'DELAYED','DEPARTED','LANDED','IN\_AIR','ARRIVED','CANCELLED', 'DIVERTED', 'UNKNOWN' ) ,  distance int,  arrival\_time datetime ,  departure\_time datetime,  avail\_seats int,cost int ,  primary key (Leg\_num),  foreign key (Arrival\_Airport) references Airport(Airport\_num) on DELETE CASCADE,  foreign key (departure\_airport) references Airport(Airport\_num) on DELETE CASCADE ,  foreign key (flight\_Num) references airplane(flight\_num) on DELETE CASCADE  ); |
| Create table if not exists ticket (  ticket\_num int not null auto\_increment ,  cust\_num int not null ,  status enum( 'PENDING', 'CONFIRMED', 'CANCELLED') ,  leg\_num int not null,  seats int ,  foreign key (cust\_num) references Customer(Cust\_num) ,  foreign key (leg\_num ) references Flight\_legs (Leg\_num) on DELETE CASCADE ,  primary key (ticket\_num)  ) ; |
| create trigger loginsInsertCustomer after insert on logins for each row insert into customer(username,passport\_number,date\_of\_birth) values (new.username, "0000000","0001-01-01"); |

