

```
create database aerolineas;
use aerolineas;
```

```
create table catalogos(
id int auto_increment primary key,
nombre_catalogo varchar(50)not null
);
```

```
create table item_catalogos(
id int auto_increment primary key,
nombre varchar(50) not null,
catalogos_id int not null,
constraint fk_catalogo foreign key(catalogos_id ) references catalogos(id) on delete
cascade
);
```

```
-- drop table item_catalogos
create table equipajes(
id int auto_increment primary key,
etiqueta varchar(50) not null unique,
peso decimal(4,2)not null,
dimension varchar(50) not null,
equipaje_id int not null,
constraint fk_item foreign key(equipaje_id) references item_catalogos(id) on delete
cascade
```

```
);
-- drop table equipajes;
```

```
create table pasajeros(
id int auto_increment primary key,
cedula varchar(10) not null,
nombre varchar(50) not null,
apellido varchar(50) not null,
edad int not null,
correo varchar(100) not null unique,
telefono varchar(10) not null,
equipaje1_id int not null,
constraint fk_equipa foreign key(equipaje1_id) references equipajes(id) on delete
cascade
```

```
);
-- drop table pasajeros;
```

```
create table tripulantes(
id int auto_increment primary key,
```

```
nombre varchar(50) not null,  
identificacion_unico varchar(10) not null,  
certificacion varchar(50) not null,  
estado_cargo_id int not null,  
constraint fk_cargo foreign key(estado_cargo_id) references item_catalogos(id) on  
delete cascade  
);  
-- drop table tripulantes;
```

```
create table pilotos(  
id int auto_increment primary key,  
licencia varchar(50) not null unique,  
nacionalidad varchar(50) not null,  
horas_vuelo int not null,  
estado_piloto int not null,  
tripulantes_id int not null,  
constraint fk_categoria foreign key(estado_piloto) references item_catalogos(id) on  
delete cascade,  
constraint fk_nombre foreign key(tripulantes_id) references tripulantes(id) on delete  
cascade  
);  
-- drop table pilotos;
```

```
create table paises(  
id int auto_increment primary key,  
nombre varchar(50) not null  
);  
create table ciudades(  
id int auto_increment primary key,  
nombre varchar(50) not null,  
pais_id int not null,  
constraint fk_pais foreign key(pais_id) references paises(id) on delete cascade  
);
```

```
create table aeropuertos(  
id int auto_increment primary key,  
nombre varchar(50) not null,  
ciudad_id int not null,  
constraint fk_ciudad foreign key(ciudad_id) references ciudades(id) on delete cascade  
);
```

```
create table aerolineas(  
id int auto_increment primary key,  
nombre varchar(50) not null,  
codigo varchar(50) not null,  
pais1_id int not null,  
frecuencia_vuelo varchar(50) not null,
```

```
codigo_IATA varchar(50) not null,  
aeropuerto_id int not null,  
constraint fk_pais1 foreign key(pais1_id) references paises(id) on delete cascade,  
constraint fk_aerolinea foreign key(aeropuerto_id) references aeropuertos(id) on  
delete cascade  
);
```

```
-- drop table aerolineas;
```

```
create table vuelos(  
id int auto_increment primary key,  
numero_vuelo int not null,  
duracion_vuelo int not null,  
distancia_recorrida decimal(10,2),  
aeropuerto_origen int not null,  
aeropuerto_destino int not null,  
aerolinea_id int not null,  
estado_vuelo1_id int not null,  
constraint fk_destino1 foreign key(aeropuerto_origen) references aeropuertos(id) on  
delete cascade,  
constraint fk_destino2 foreign key(aeropuerto_destino) references aeropuertos(id) on  
delete cascade,  
constraint fk_aerolinea1 foreign key(aerolinea_id) references aerolineas(id) on delete  
cascade,  
constraint fk_estado_vuelo foreign key(estado_vuelo1_id) references  
item_catalogos(id) on delete cascade  
);
```

```
-- set foreign_key_checks=1;
```

```
create table embargues(  
id int auto_increment primary key,  
numero_puerta varchar(25) not null,  
terminal varchar(50) not null,  
vuelo_id int not null,  
estado_puerta_id int not null,  
persona_id int not null,  
constraint fk_vuelo foreign key(vuelo_id) references vuelos(id) on delete cascade,  
constraint fk_estado_puerta foreign key(estado_puerta_id) references  
item_catalogos(id) on delete cascade,  
constraint fk_persona foreign key(persona_id) references pasajeros(id) on delete  
cascade  
);
```

```
-- drop table embargues;
```

```
create table aviones(  
id int auto_increment primary key,  
modelo varchar(50) not null,  
matricula varchar(50) not null,  
capacidad int not null,  
fabricante varchar(50) not null,  
ano_fabricacion date,  
piloto_id int not null,  
aerolinea_id int not null,  
vuelo_id int not null,  
estado_avion_id int not null,  
constraint fk_estado foreign key(estado_avion_id) references item_catalogos(id) on  
delete cascade,  
constraint fk_piloto foreign key(piloto_id) references pilotos(id) on delete cascade,  
constraint fk_aerolinea2 foreign key(aerolinea_id) references aerolineas(id) on delete  
cascade,  
constraint fk_vuelo1 foreign key(vuelo_id) references vuelos(id) on delete cascade  
);
```

```
create table reservas(  
id int auto_increment primary key,  
numero_reserva int not null,  
fecha_compra datetime default current_timestamp,  
precio decimal(10,2),  
estado_reserva_id int not null,  
pasajero2_id int not null,  
embargue_id int not null,  
vuelo2_id int not null,  
constraint fk_reserva foreign key(estado_reserva_id) references item_catalogos(id) on  
delete cascade,  
constraint fk_pasajero2 foreign key(pasajero2_id) references pasajeros(id) on delete  
cascade,  
constraint fk_embargue foreign key(embargue_id) references embargues(id) on delete  
cascade,  
constraint fk_vuelo2 foreign key(vuelo2_id) references vuelos(id) on delete cascade  
);
```