Checking for 3NF

Airport

AirportCode	AirportName	City	Country	EstablishedYear

FD1

The table **Airport** is in 2NF. It doesn't have transitive dependencies. All the non primary key attributes depend on the primary key of the table which is <u>AirportCode</u>. It has a functional dependency named FD1 and it's determinent is the super key of the table. Therefore the table **Airport** is in 3NF.
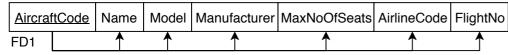
Airline

AirlineCode	AirlineName	Owner	FleetSize	Address	NoOfDestinations	HeadOfficeEmail	WebsiteURL	CommencementYear

FD1

The table **Airline** is in 2NF. It doesn't have transitive dependencies. All the non primary key attributes depend on the primary key of the table which is <u>AirlineCode</u>. It has a functional dependency named FD1 and it's determinent is the super key of the table. Therefore the table **Airline** is in 3NF.

Aircraft

AircraftCode	Name	Model	Manufacturer	MaxNoOfSeats	AirlineCode	FlightNo

FD1

The table **Aircraft** is in 2NF. It doesn't have transitive dependencies. All the non primary key attributes depend on the primary key of the table which is <u>AircraftCode</u>. It has a functional dependency named FD1 and it's determinent is the super key of the table. Therefore the table **Aircraft** is in 3NF.
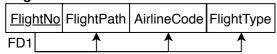
Aircrew

StaffID	PassportNo	FirstName	LastName	Gender	Address	Designation	DateJoined	AirlineTrainingDetails	AcadamicEducationDetails	AirlineCode	LegNo	CheckInTime

FD1

The table **Aircrew** is in 2NF. It doesn't have transitive dependencies. All the non primary key attributes depend on the primary key of the table which is <u>StaffID</u>. It has a functional dependency named FD1 and it's determinent is the super key of the table. Therefore the table **Aircrew** is in 3NF.
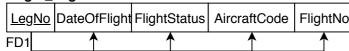
Flight

FlightNo	FlightPath	AirlineCode	FlightType

FD1

The table **Flight** is in 2NF. It doesn't have transitive dependencies. All the non primary key attributes depend on the primary key of the table which is <u>FlightNo</u>. It has a functional dependency named FD1 and it's determinent is the super key of the table. Therefore the table **Flight** is in 3NF.
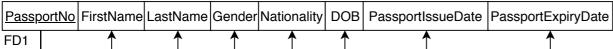
Flight_Leg

LegNo	DateOfFlight	FlightStatus	AircraftCode	FlightNo

FD1

The table **Flight_Leg** is in 2NF. It doesn't have transitive dependencies. All the non primary key attributes depend on the primary key of the table which is <u>LegNo</u>. It has a functional dependency named FD1 and it's determinent is the super key of the table. Therefore the table **Flight_Leg** is in 3NF.
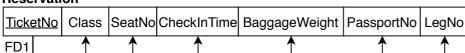
Passenger

PassportNo	FirstName	LastName	Gender	Nationality	DOB	PassportIssueDate	PassportExpiryDate

FD1

The table **Passenger** is in 2NF. It doesn't have transitive dependencies. All the non primary key attributes depend on the primary key of the table which is <u>PassportNo</u>. It has a functional dependency named FD1 and it's determinent is the super key of the table. Therefore the table **Passenger** is in 3NF.

Reservation

TicketNo	Class	SeatNo	CheckInTime	BaggageWeight	PassportNo	LegNo

FD1

The table **Reservation** is in 2NF. It doesn't have transitive dependencies. All the non primary key attributes depend on the primary key of the table which is <u>TicketNo</u>. It has a functional dependency named FD1 and it's determinent is the super key of the table. Therefore the table **Reservation** is in 3NF.