Checking for BCNF

Airport

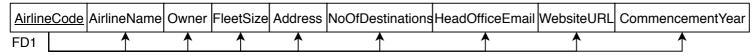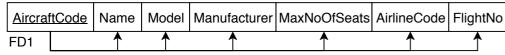| AirportCode	AirportName	City	Country	EstablishedYear

FD1

The table **Airport** is in 3NF. It has a functional dependency named FD1. It's determinent which is AirportCode is the super key of the table **Airport**. Therefore the table **Airport** is in BCNF.

Airline

AirlineCode	AirlineName	Owner	FleetSize	Address	NoOfDestinations	HeadOfficeEmail	WebsiteURL	CommencementYear

FD1

The table **Airline** is in 3NF. It has a functional dependency named FD1. It's determinent which is AirlineCode is the super key of the table **Airline**. Therefore the table **Airline** is in BCNF.

Aircraft

AircraftCode	Name	Model	Manufacturer	MaxNoOfSeats	AirlineCode	FlightNo

FD1

The table **Aircraft** is in 3NF. It has a functional dependency named FD1. It's determinent which is AircraftCode is the super key of the table **Aircraft**. Therefore the table **Aircraft** is in BCNF.

Aircrew

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

FD1

The table **Aircrew** is in 3NF. It has a functional dependency named FD1. It's determinent which is StaffID is the super key of the table **Aircrew**. Therefore the table **Aircrew** is in BCNF.

Flight

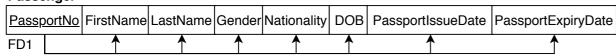| FlightNo	FlightPath	AirlineCode	FlightType

FD1

The table **Flight** is in 3NF. It has a functional dependency named FD1. It's determinent which is FlightNo is the super key of the table **Flight**. Therefore the table **Flight** is in BCNF.

Flight_Leg

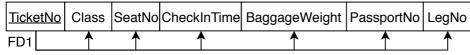| LegNo	DateOfFlight	FlightStatus	AircraftCode	FlightNo

FD1

The table **Flight_Leg** is in 3NF. It has a functional dependency named FD1. It's determinent which is LegNo is the super key of the table **Flight_Leg**. Therefore the table **Flight_Leg** is in BCNF.

Passenger

PassportNo	FirstName	LastName	Gender	Nationality	DOB	PassportIssueDate	PassportExpiryDate

FD1

The table **Passenger** is in 3NF. It has a functional dependency named FD1. It's determinent which is PassportNo is the super key of the table **Passenger**. Therefore the table **Passenger** is in BCNF.

Reservation

TicketNo	Class	SeatNo	CheckInTime	BaggageWeight	PassportNo	LegNo

FD1

The table **Reservation** is in 3NF. It has a functional dependency named FD1. It's determinent which is TicketNo is the super key of the table **Reservation**. Therefore the table **Reservation** is in BCNF.