

## Checking 2NF

## Airport

<u>AirportCode</u>	AirportName	City	Country	EstablishedYear
FD1				

The table **Airport** is already in 1NF.

All the non primary key attributes of the table **Airport** depends on it's super key which is AirportCode.

Therefore, the functional dependency (FD1) of the table Airport is a full functional dependency.

Therefore, the functional dependency (F.D.) of the table **Airport** is  
There are no partial dependencies so the table **Airport** is in 2NF

**Airline**

<u>AirlineCode</u>	AirlineName	Owner	FleetSize	Address	NoOfDestinations	HeadOfficeEmail	WebsiteURL	CommencementYear
FD1								

The table **Airline** is in 1NF.

All the non primary key attributes of the table **Airline** depends on it's super key which is AirlineCode.

Therefore, the functional dependency (FD1) of the table **Airline** is a full functional dependency.

There are no partial dependencies so the table **Airline** is in 2NF.

## Aircraft

<u>AircraftCode</u>	Name	Model	Manufacturer	MaxNoOfSeats	AirlineCode	FlightNo
FD1						

The table **Aircraft** is in 1NF.

All the non primary key attributes of the table **Aircraft** depends on it's super key which is AircraftCode.

Therefore, the functional dependency (FD1) of the table **Aircraft** is a full functional dependency.

Therefore, the functional dependency (FD) of the table **Aircraft** is a full functional dependency. There are no partial functional dependencies so the table **Aircraft** is in 2NF.

## Flight

<u>FlightNo</u>	FlightPath	AirlineCode	FlightType
FD1			

The table **Flight** is in 1NF.

All the non primary key attributes of the table **Flight** depends on it's super key which is FlightNo.

Therefore, the functional dependency (FD1) of the table **Flight** is a full functional dependency.

There are no partial functional dependencies so the table **Flight** is in 2NF.

## Reservation

Reservation						
TicketNo	Class	SeatNo	CheckInTime	BaggageWeight	PassportNo	LegNo
FD1						

The table **Reservation** is in 1NF.

All the non primary key attributes of the table **Reservation** depends on it's super key which is TicketNo.

Therefore, the functional dependency (FD1) of the table **Reservation** is a full functional dependency.

Therefore, the functional dependency (FD) of the table **Reservation** is a full functional dependency. There are no partial functional dependencies so the table **Reservation** is in 2NF.