

Checking 2NF

Airport

<u>AirportCode</u>	AirportName	City	Country	EstablishedYear
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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.
There are no partial dependencies so the table **Airport** is in 2NF

Airline

<u>AirlineCode</u>	AirlineName	Owner	FleetSize	Address	NoOfDestinations	HeadOfficeEmail	WebsiteURL	CommencementYear
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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
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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.
There are no partial functional dependencies so the table **Aircraft** is in 2NF.

Flight

<u>FlightNo</u>	FlightPath	AirlineCode	FlightType
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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

<u>TicketNo</u>	Class	SeatNo	CheckInTime	BaggageWeight	LegNo
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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.
There are no partial functional dependencies so the table **Reservation** is in 2NF.