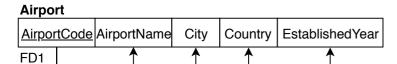
Checking 2NF



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

There are no partial dependencies so the table Airport is in 2NF

Airline



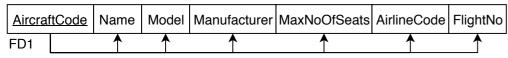
The table **Airline** is in 1NF.

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

Therefore, the functional dependency 1(FD1) of the table **Airline** is a full functional dependency.

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

Aircraft



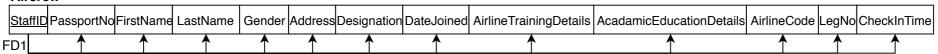
The table Aircraft is in 1NF.

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

Therefore, the functional dependency 1(FD1) of the table Aircraft is a full functional dependency.

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

Aircrew



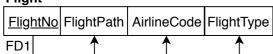
The table Aircrew is in 1NF.

All the non primary key attributes of the table **Aircrew** depends on it's super key which is <u>StaffID</u>.

Therefore, the functional dependency 1(FD1) of the table Aircrew is a full functional dependency.

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

Flight



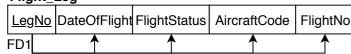
The table **Flight** is in 1NF.

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

Therefore, the functional dependency 1(FD1) of the table **Flight** is a full functional dependency.

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

Flight_Leg



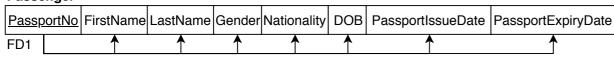
The table Flight_Leg is in 1NF.

All the non primary key attributes of the table **Flight_Leg** depends on it's super key which is <u>LegNo</u>.

Therefore, the functional dependency 1(FD1) of the table **Flight_Leg** is a full functional dependency.

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

Passenger

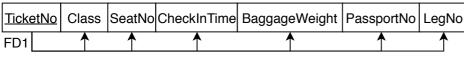


The table **Passenger** is in 1NF.

All the non primary key attributes of the table **Passenger** depends on it's super key which is <u>PassportNo</u>.

Therefore, the functional dependency 1(FD1) of the table **Passenger** is a full functional dependency.

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



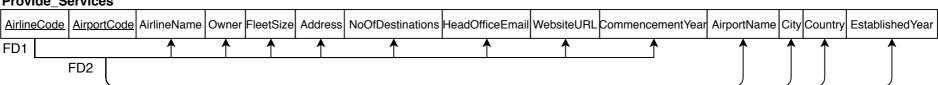
The table **Reservation** is in 1NF.

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

Therefore, the functional dependency 1(FD1) of the table **Reservation** is a full functional dependency.

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

Provide_Services



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

But, some of the non primary key attributes of the table Provide Services depends on AirlineCode.

Other non primary key attributes depends on AirportCode. Therefore FD1 and FD2 are partial functional dependencies.

Therefore the table **Provide Services** is not in 2NF.