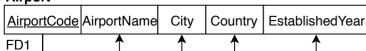
Checking 2NF



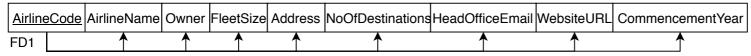


All the attributes of the table Airport depends on it's super key which is AirportCode.

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

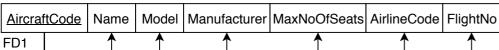


All the attributes of the table Airline depends on it's super key which is AirlineCode.

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

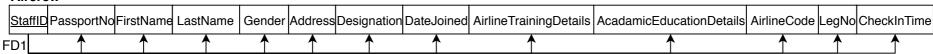


All the attributes of the table Aircraft depends on it's super key which is AircraftCode.

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

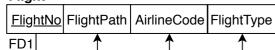


All the attributes of the table **Aircrew** depends on it's super key which is <u>StaffID</u>.

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

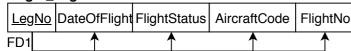


All the attributes of the table **Flight** depends on it's super key which is <u>FlightNo</u>.

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

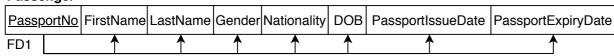


All the attributes of the table **Flight_Leg** depends on it's super key which is <u>LegNo</u>.

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

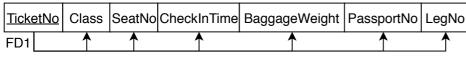


All the attributes of the table Passenger depends on it's super key which is PassportNo.

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.

Reservation

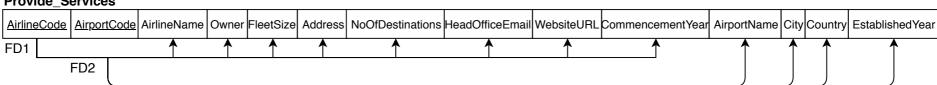


All the attributes of the table **Reservation** depends on it's super key which is <u>TicketNo</u>.

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



Some of the attributes of the table **Provide_Services** depends on <u>AirlineCode</u>.

Other attrubytes depends on AirportCode.

Therefore FD1 and FD2 are partial functional dependencies.

Therefore the table **Provide_Services** is not in 2NF.