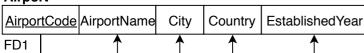
## **Checking for 3NF**

Airport

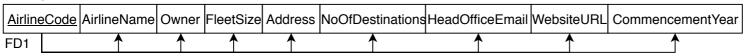


The table **Airport** is in 2NF. It doesn't have transitive dependencies. All the non primary key attributes depend on the primary key of the table which is <u>AirportCode</u>. It has a functional dependency named FD1 and it's determinent is the super key of the table.

Therefore the table **Airport** is in 3NF.

Therefore the table Airport is

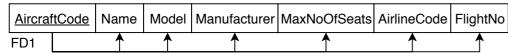
### **Airline**



The table **Airline** is in 2NF. It doesn't have transitive dependencies. All the non primary key attributes depend on the primary key of the table which is <u>AirlineCode</u>. It has a functional dependency named FD1 and it's determinent is the super key of the table.

Therefore the table **Airline** is in 3NF.

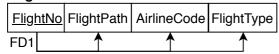
### **Aircraft**



The table **Aircraft** is in 2NF. It doesn't have transitive dependencies. All the non primary key attributes depend on the primary key of the table which is <u>AircraftCode</u>. It has a functional dependency named FD1 and it's determinent is the super key of the table.

Therefore the table **Aircraft** is in 3NF.

# **Flight**



The table **Flight** is in 2NF. It doesn't have transitive dependencies. All the non primary key attributes depend on the primary key of the table which is <u>FlightNo</u>. It has a functional dependency named FD1 and it's determinent is the super key of the table. Therefore the table **Flight** is in 3NF.

### Reservation



The table **Reservation** is in 2NF. It doesn't have transitive dependencies. All the non primary key attributes depend on the primary key of the table which is <u>TicketNo</u>. It has a functional dependency named FD1 and it's determinent is the super key of the table.

Therefore the table **Reservation** is in 3NF.