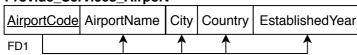
## **Checking for BCNF**

### Provide\_Services\_Airline



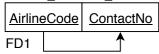
The table **Provide\_Services\_Airline** is in 3NF. It has a functional dependency named FD1. It's determinent which is <u>AirlineCode</u> is the super key of the table **Provide\_Services\_Airline**. Therefore the table **Provide\_Services\_Airline** is in BCNF.

Provide\_Services\_Airport



The table **Provide\_Services\_Airport** is in 3NF. It has a functional dependency named FD1. It's determinent which is <u>AirportCode</u> is the super key of the table **Provide\_Services\_Airport**. Therefore the table **Provide\_Services\_Airport** is in BCNF.

### Airline\_Contact\_No



The table Airline\_Contact\_No is in 3NF. It has a functional dependency named FD1.

It's determinent which is <u>AirlineCode</u> is the not the super key of the table **Airline\_Contact\_No**.

Therefore the table Airline\_Contact\_No is not in BCNF. However, this table cannot be divided any further.

Therefore it's not possible to normalise this to BCNF.

## Landing



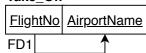
The table **Landing** is in 3NF. It has a functional dependency named FD1.

It's determinent which is FlightNo is the not the super key of the table Landing.

Therefore the table Landing is not in BCNF. However, this table cannot be divided any further.

Therefore it's not possible to normalise this to BCNF.

#### Take\_Off



The table **Take\_Off** is in 3NF. It has a functional dependency named FD1.

It's determinent which is FlightNo is the not the super key of the table **Take\_Off**.

Therefore the table Take\_Off is not in BCNF. However, this table cannot be divided any further.

Therefore it's not possible to normalise this to BCNF.

## Schedule\_Days



The table **Schedule\_Days** is in 3NF. It has a functional dependency named FD1. It's determinent which is <u>FlightNo FlightDate</u> is the super key of the table **Schedule\_Days**. Therefore the table **Schedule\_Days** is in BCNF.

# Pilot



The table **Pilot** is in 3NF. It has a functional dependency FD1 and it's determinent which is <u>StaffID</u> is the super key of the table **Pilot**. Therefore the table **Pilot** is in BCNF.