Checking for BCNF

Provide_Services_Airline

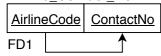| AirlineCode	AirlineName	Owner	FleetSize	Address	NoOfDestinations	HeadOfficeEmail	WebsiteURL	CommencementYear

FD1

The table **Provide_Services_Airline** is in 3NF. It has a functional dependency named FD1.
It's determiment 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

AirportCode	AirportName	City	Country	EstablishedYear

FD1

The table **Provide_Services_Airport** is in 3NF. It has a functional dependency named FD1.
It's determiment which is <u>AirportCode</u> is the super key of the table **Provide_Services_Airport**.
Therefore the table **Provide_Services_Airport** is in BCNF.
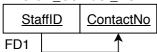
Airline_Contact_No

AirlineCode	ContactNo

FD1

The table **Airline_Contact_No** is in 3NF. It has a functional dependency named FD1.
It's determiment 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.
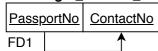Therefore it's not possible to normalise this to BCNF.

Aircrew_Contact_No

StaffID	ContactNo

FD1

The table **Aircrew_Contact_No** is in 3NF. It has a functional dependency named FD1.
It's determiment which is <u>StaffID</u> is the not the super key of the table **Aircrew_Contact_No**.
Therefore the table **Aircrew_Contact_No** is not in BCNF. However, this table cannot be divided any further.
Therefore it's not possible to normalise this to BCNF.

Passenger_Contact_No

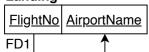| PassportNo	ContactNo

FD1

The table **Passenger_Contact_No** is in 3NF. It has a functional dependency named FD1.
It's determiment which is <u>PassportNo</u> is the not the super key of the table **Passenger_Contact_No**.
Therefore the table **Passenger_Contact_No** is not in BCNF. However, this table cannot be divided any further.
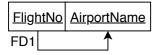Therefore it's not possible to normalise this to BCNF.

Landing

FlightNo	AirportName

FD1

The table **Landing** is in 3NF. It has a functional dependency named FD1.
It's determiment which is <u>FlightNo</u> 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

FlightNo	AirportName

FD1

The table **Take_Off** is in 3NF. It has a functional dependency named FD1.
It's determiment which is <u>FlightNo</u> 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.