Checking for BCNF

Provide_Services

AirlineCode	AirportCode	AirlineName	Owner	FleetSize	Address	NoOfDestinations	HeadOfficeEmail	WebsiteURL	CommencementYear	AirportName	City	Country	EstablishedYear

FD1

The table **Provide_Services** is in 3NF. It has a functional dependency named FD1.
It's determinent which is AirlineCode AirportCode is the super key of the table **Provide_Services**.
Therefore the table **Provide_Services** 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 determinent which is AirlineCode 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.
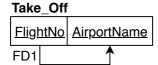Therefore it's not possible to normalise this to BCNF.

Landing

FlightNo	AirportName

FD1

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

FlightNo	AirportName

FD1

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

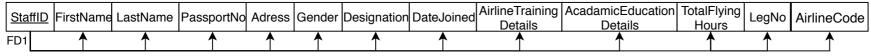| FlightNo	FlightDate	EstimatedArrivalTime	EstimatedDepartureTime

FD1

The table **Schedule_Days** is in 3NF. It has a functional dependency named FD1.
It's determinent which is FlightNo FlightDate is the super key of the table **Schedule_Days**.
Therefore the table **Schedule_Days** is in BCNF.

Pilot

StaffID	FirstName	LastName	PassportNo	Adress	Gender	Designation	DateJoined	AirlineTraining Details	AcadamicEducation Details	TotalFlying Hours	LegNo	AirlineCode

FD1

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