

Checking for BCNF

Airport

<u>AirportCode</u>	AirportName	City	Country	EstablishedYear
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FD1 | ↑ ↑ ↑ ↑

The table **Airport** is in 3NF. It has a functional dependency named FD1. It's determinant which is AirportCode is the super key of the table **Airport**. Therefore the table **Airport** is in BCNF.

Airline

<u>AirlineCode</u>	AirlineName	Owner	FleetSize	Address	NoOfDestinations	HeadOfficeEmail	WebsiteURL	CommencementYear
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FD1 | ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑

The table **Airline** is in 3NF. It has a functional dependency named FD1. It's determinant which is AirlineCode is the super key of the table **Airline**. Therefore the table **Airline** is in BCNF.

Aircraft

<u>AircraftCode</u>	Name	Model	Manufacturer	MaxNoOfSeats	AirlineCode	FlightNo
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FD1 | ↑ ↑ ↑ ↑ ↑ ↑

The table **Aircraft** is in 3NF. It has a functional dependency named FD1. It's determinant which is AircraftCode is the super key of the table **Aircraft**. Therefore the table **Aircraft** is in BCNF.

Flight

<u>FlightNo</u>	FlightPath	AirlineCode	FlightType
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FD1 | ↑ ↑ ↑

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

Reservation

<u>TicketNo</u>	Class	SeatNo	CheckInTime	BaggageWeight	LegNo
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FD1 | ↑ ↑ ↑ ↑ ↑

The table **Reservation** is in 3NF. It has a functional dependency named FD1. It's determinant which is TicketNo is the super key of the table **Reservation**. Therefore the table **Reservation** is in BCNF.