

ForecastDay(Forecast.forecastID: string, day: date, highTemp: number, lowTemp: number, dayWeather: string)

ForecastDay(**Forecast.forecastID: string**, **day: date**, *highTemp: number*, *lowTemp: number*, *dayWeather: string*, Primary Key (day), Foreign Key (forecastID) references Forecast)

- PK: forecastID, day
 - CK: day
 - FK: forecastID references Forecast
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ForecastHour(Forecast.forecastID: string, day: date, time: time, temp: number, hourWeather: string)

ForecastHour(**Forecast.forecastID: string**, **day: date**, **time: time**, *temp: number*, *hourWeather: string*, Primary Key (day,time), Foreign Key (forecastID) references Forecast)

- PK: forecastID, day, time
 - CK: day, time
 - FK: forecastID references Forecast
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Forecast(Location.province: string, Location.city: string, forecastID: number, currDay: date, currTime: time, currTemp: number, currWeather: string)

Forecast(**Location.province: string**, **Location.city: string**, **forecastID: string**, *currDay: date*, *currTime: time*, *currTemp: number*, *currWeather: string*, Primary Key (forecastID), Foreign Key (province) references Location(province), FOREIGN KEY (city) REFERENCES Location(city))

- PK: forecastID
 - CK: forecastID
 - FK: province, city references Location
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NewsStation(stationID: number, stationName: string)

NewsStation(**stationID: number**, *stationName: string*, Primary Key (stationID))

- PK: stationID
 - CK: stationID
 - FK: none
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ExtremeWeatherEvent(dangerLevel: number, eventType: string, eventID: number)

ExtremeWeatherEvent(*dangerLevel: number*, *eventType: string*, **eventID: number**, Primary Key (eventID))

- PK: eventID
 - CK: eventID
 - FK: none
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EmployeeNorm1(employeeEmail: string, employeeName: string)

EmployeeNorm2(NewsStation.stationID: number, employeeID: number, employeeEmail: string, employeePosition: string)

Employee(**NewsStation.stationID: number**, employeeID: number, employeeName: string, employeeEmail: string, employeePosition: string, Primary Key (employeeID), Foreign Key (stationID) references NewsStation)

- PK: employeeID
 - CK: employeeID
 - FK: stationID
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Location(province: string, city: string, population: number)

Location(province: string, city: string, population: number)

- PK: province, city
 - CK: province, city
 - FK: none
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Advisory(ExtremeWeatherEvent.eventID: number, advisoryType: string, advisoryMessage: string, advisoryID: number)

Advisory(**ExtremeWeatherEvent.eventID: number**, advisoryType: string, advisoryMessage: string, advisoryID: number, Primary Key (advisoryID), Foreign Key (eventID) references ExtremeWeatherEvent)

- PK: advisoryID
 - CK: advisoryID
 - FK: eventID references ExtremeWeatherEvent
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Recipient(recipientID: number, phoneNum: number)

Recipient(recipientID: number, phoneNum: number, Primary Key (recipientID))

- PK: recipientID
 - CK: recipientID
 - FK: none
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Centre(Recipient.recipientID: number, centreID: number, centreName: string, centrePopulation: number, centreAddress: string)

Centre(**Recipient.recipientID: number**, centreID: number, centreName: string, centrePopulation: number, centreAddress: string, Primary Key (recipientID), Foreign Key (recipientID) references Recipient)

- PK: recipientID
 - CK: recipientID
 - FK: recipientID references Recipient
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PersonNorm1(Recipient.recipientID: number, sin: number)

PersonNorm2(name: string, sin: number, centreAddress: string)

Person(**Recipient.recipientID: number**, personName: string, sin: number, address: string, Primary Key (recipientID, sin), Foreign Key (recipientID) references (Recipient))

- PK: recipientID
 - CK: recipientID
 - FK: recipientID references Recipient
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SentTo(Advisory.advisoryID: number, Recipient.recipientID: number)

SentTo(**Advisory.advisoryID: number**, **Recipient.recipientID: number**, Primary Key (advisoryID, recipientID), Foreign Key (advisoryID) references Advisory, Foreign Key (recipientID) references Recipient)

- PK: advisoryID, recipientID
 - CK: advisoryID, recipientID
 - FK: advisoryID references Advisory, recipientID references Recipient
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BroadcastsTo(NewsStation.stationID: number, Location.province: string, Location.city: string)

BroadcastsTo(**NewsStation.stationID: number**, **Location.province: string**, **Location.city: string**, Primary Key (stationID, province, city), Foreign Key (stationID) references NewsStation, Foreign Key (Province) references Location, Foreign Key (city) references Location)

- PK: stationID, province, city
 - CK: stationID, province, city
 - FK: stationID references NewsStation, province references Location, city references Location
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Receives(NewsStation.stationID: number, Forecast.forecastID: number)

Receives(**NewsStation.stationID: number, Forecast.forecastID: string**, Primary Key (stationID, forecastID), Foreign Key (stationID) references NewsStation, Foreign Key (forecastID) references Forecast)

- PK: stationID, forecastID
 - CK: stationID, forecastID
 - FK: stationID references NewsStation, forecastID references Forecast
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Reports(Forecast.forecastID: number, ExtremeWeatherEvent.eventID: number)

Reports(**Forecast.forecastID: string, ExtremeWeatherEvent.eventID: number**, Primary Key (forecastID, eventID), Foreign Key (forecastID) references Forecast, Foreign Key (eventID) references ExtremeWeatherEvent)

- PK: forecastID, eventID
- CK: forecastID, eventID
- FK: forecastID references Forecast, eventID references ExtremeWeatherEvent