

# Database Management with Microsoft SQL Server

## Project

**Scenario:** Walmart has data that is populated every day. For analysis purposes, the Walmart data science team needs to access a sample database.

**Problem Statement:** You are a database administrator hired by Walmart to create a database built according to the company's specifications.

### Dataset Description:

- Store - the store number
- Date - the week of sales
- Weekly\_Sales - sales for the given store
- Holiday\_Flag - whether the week is a special holiday week 1 – Holiday week 0 – Non-holiday week
- Temperature - Temperature on the day of sale
- Fuel\_Price - Cost of fuel in the region
- CPI – Prevailing consumer price index
- Unemployment - Prevailing unemployment rate
- Holiday Events - Super Bowl: 12-Feb-10, 11-Feb-11, 10-Feb-12, 8-Feb-13 - Labour Day: 10-Sep-10, 9-Sep-11, 7-Sep-12, 6-Sep-13 - Thanksgiving: 26-Nov-10, 25-Nov-11, 23-Nov-12, 29-Nov-13 - Christmas: 31-Dec-10, 30-Dec-11, 28-Dec-12, 27-Dec-13

### Tasks to be performed:

1. Design a table/database object named payments with the following attributes/columns mentioned in the dataset
2. Insert the database as mentioned in the CSV file.
3. Provide comments before every task that is performed describing the operation that is being performed and attach a screenshot of ER diagram.
4. Delete the data for 12-11-2010.
5. Update the Holiday Flag column from 1 to Holiday and 0 to Non-holiday week
6. Find out the highest and the lowest amount in Weekly\_Sales
7. Use Select Statement to verify all the operations