

# LEARN SQL BASICS THROUGH A CASE STUDY

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# DATA

- ORDER DETAILS
- PRODUCT INFORMATION
- PROPERTY INFORMATION



# BASIC QUESTIONS – SELECT STATEMENTS

- FIND THE MAXIMUM QUANTITY SOLD IN A TRANSACTION
- FIND THE UNIQUE PRODUCTS IN ALL THE TRANSACTIONS
- ALSO, FIND THE UNIQUE PROPERTIES

# MOVING FORWARD – GROUP BY

- FIND THE PRODUCT CATEGORY THAT HAS MAXIMUM PRODUCTS
- FIND THE STATE WHERE MOST STORES ARE PRESENT
- FIND THE TOP 5 PRODUCT IDS THAT DID MAXIMUM SALES IN TERMS OF QUANTITY
- SIMILARLY, FIND THE TOP 5 PROPERTY ID'S THAT DID MAXIMUM QUANTITY



# INTERMEDIATE – JOINS AND GROUP BY

- FIND THE TOP 5 PRODUCT NAMES THAT DID MAXIMUM SALES IN TERMS OF QUANTITY
  - THEN FIND THE TOP 5 PRODUCTS THAT DID MAXIMUM SALES
- FIND THE TOP 5 CITIES THAT DID MAXIMUM SALES

# ADVANCED – JOINS AND GROUP BY

- FIND THE TOP 5 PRODUCTS IN EACH OF THE CITIES
  - WHAT WILL IT LOOK LIKE FOR STATES