David Huang Take Home #4

**TABLE INFO :**

SALES – Date, Order\_id, Item\_id, Customer\_id, Quantity, Revenue

ITEMS – Item\_id, Item\_name, price, department

CUSTOMERS- customer\_id, first\_name,last\_name,Address

1. SELECT Order\_id, COUNT(DISTINCT Order\_id) as total  
   FROM SALES  
   WHERE Date = “03-18-2023”
2. SELECT Order\_id, COUNT(DISTINCT Order\_id) as total  
   FROM SALES as sale  
   JOIN CUSTOMERS as comb  
   WHERE comb.first\_name = “John” AND comb.last\_name = “Doe”
3. SELECT Revenue, AVG(Revenue) as rev  
   FROM SALES as sales  
   JOIN SALES as comb  
   COUNT(DISTINCT customer\_id) as cus  
   WHERE Date BETWEEN “01-01-2023” AND “12-31-2023”  
   GROUP BY Date
4. SELECT Revenue, MAX(600) as rev  
   FROM SALES as sales  
   Join ITEMS as comb  
   WHERE Date BETWEEN “01-01-2022” AND “12-31-2022”  
   GROUP BY Date
5. SELECT Revenue, MAX(Revenue) as MOST  
   FROM SALES  
   SELECT Revenue, MIN(Revenue) as MIN  
   FROM SALES
6. SELECT Revenue, MAX(Revenue) as MOST  
   FROM SALES as sales  
   ON sales.item\_id=MOST.item\_id  
   GROUP BY item\_id