### **Data Analysis Using SQL**

1. Show all customer records  
   SELECT \* FROM customers;
2. Show total number of customers  
   SELECT count(\*) FROM customers;
3. Show transactions for Chennai market (market code for chennai is Mark001  
   SELECT \* FROM transactions where market\_code='Mark001';
4. Show distrinct product codes that were sold in chennai  
   SELECT distinct product\_code FROM transactions where market\_code='Mark001';
5. Show transactions where currency is US dollars  
   SELECT \* from transactions where currency="USD"
6. Show transactions in 2020 join by date table  
   SELECT transactions.\*, date.\* FROM transactions INNER JOIN date ON transactions.order\_date=date.date where date.year=2020;
7. Show total revenue in year 2020,  
   SELECT SUM(transactions.sales\_amount) FROM transactions INNER JOIN date ON transactions.order\_date=date.date where date.year=2020 and transactions.currency="INR\r" or transactions.currency="USD\r";
8. Show total revenue in year 2020, January Month,  
   SELECT SUM(transactions.sales\_amount) FROM transactions INNER JOIN date ON transactions.order\_date=date.date where date.year=2020 and and date.month\_name="January" and (transactions.currency="INR\r" or transactions.currency="USD\r");
9. Show total revenue in year 2020 in Chennai  
   SELECT SUM(transactions.sales\_amount) FROM transactions INNER JOIN date ON transactions.order\_date=date.date where date.year=2020 and transactions.market\_code="Mark001";