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## DBMS - ASSIGNMENT 02

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# 1 SQL QUERIES

1. What is the number of customers whose name starts with 'S'?
2. What is the name of the agent who is assigned to the customer with cust\_id=C00013?
3. Which customer has the highest opening amount?
4. Show the names of the customers and their corresponding agents in such a way that customers with the same agents are displayed one after another.
5. Which customers have Santakumar as their agent?
6. What is the number of customers each agent serves?
7. Which customer of London has the lowest outstanding amount?
8. Which customer names start with 'A'?
9. How many citizens work in Chennai?
10. What is the number of customers residing in London?
11. Display the number of customers in each city.
12. Display the city names with the highest number of customers.
13. What is the number of customers having 'i' in their name?
14. What is the number of customer cities with 'ew' in their name?
15. Make a list that will show the number of customers under each grade.
16. What is the average outstanding amount for the citizens of New York?
17. Find the total outstanding amount of high tier customers (i.e. opening amount>6000) under each grade, if there are at least 3 customers under that grade.

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## **2 DESCRIPTIVE QUESTIONS**

1. Explain Entity and Entity Set with example.
2. Explain Relationship, Relationship Set and Relationship Instance with example.
3. Explain different types of mapping cardinalities that may exist between two entities and give proper examples with diagrams.