EXPERIMENT 6

# PRE-LAB:

1. How to use Auto Increment in SQL?
2. What is embedded and dynamic SQL?
3. What is meant by ALIAS in SQL?
4. While executing certain commands Mr.Jack is confused to decide whether View is a logical storage or physical storage. State him an appropriate solution with a valid reason?
5. How to build authentication to a database?
6. Which operator has the highest precedence among the following − AND, NOT, OR?
7. What is DEFAULT?

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# IN-LAB:

Implement SQL Queries on Case Study 8 (**SAINT GOBAIN) QUOTATION:**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Cust  \_ID | Cust\_Na me | Cust\_Phone | Glass\_ Type | Glass\_ thick | Glass\_ Measure | Glass\_ color | Address | Exp\_ Amt | Advance\_ Paid |
| 1 | Raju | 8767895698 | Clear glass | 4MM | 140CM | Black | Hyd | 10000 | 2000 |
| 2 | Hari | 9999887766 | Mirror | 5MM | 150CM | Blue | Delhi | 11000 | 2500 |
| 3 | Arun | 7567896546 | Clear glass | 6MM | 120CM | Black | Mumbai | 9000 | 1000 |
| 4 | Kiran | 6754567890 | Mirror | 3MM | 200CM | Blue | Hyd | 20000 | 5000 |
| 5 | Chand | 7164567897 | Mirror | 4MM | 120CM | Blue | Hyd | 15000 | 6000 |

**BILL:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Bill\_ID | Cust\_Name | Cust\_Phone | Address | Glass\_Feature | Mode\_Pay |
| 100 | Raju | 8767895698 | Hyd | Good | Cash |
| 101 | Hari | 9999887766 | Delhi | Good | Credit |
| 102 | Arun | 7567896546 | Mumbai | Good | Cash |
| 103 | Kiran | 6754567890 | Hyd | Good | Cash |
| 104 | Chand | 7164567897 | Hyd | Good | Cash |

1. Create tables with the required constraints for the given case study
2. Insert 10 records into the created tables
3. Write a SQL query to find out Customer ID and Customer Name in ascending order.
4. Find unique Customer Name in the Quotation table.
5. SQL query to find the Glass Thickness where number of Customer of highest thickness.
6. Write a SQL query to find out the amount has to paid by the customer in Quotation Table.
7. Write a SQL query to list the name of those whose name starts with ‘A’ in Quotation Table.
8. Write a SQL query to list the Phone no. that ends with “910” in the Bill table.
9. Write an SQL query to print details of the Customer whose Name ends with ‘C’
10. Write an SQL query to print details of the customers whose advance paid lies between 1000 and 2000.
11. Write an SQL query to fetch the list of customers with the same Mode of payment.
12. Write an SQL query to fetch the Unique records in Quotation and Bill Table

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# POST-LAB:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **name** | **continent** | **area** | **population** | **gdp** |
| Afghanistan | Asia | 652230 | 25500100 | 20343000000 |
| Albania | Europe | 28748 | 2831741 | 12960000000 |
| Algeria | Africa | 2381741 | 37100000 | 188681000000 |
| Andorra | Europe | 468 | 78115 | 3712000000 |
| Angola | Africa | 1246700 | 20609294 | 100990000000 |

1) Show the total population of the world. World (name, continent, area, population, gdp)

1. For each continent show the continent and number of countries with populations of at least 10 million.
2. List the continents that have a total population of at least 100 million. 4) Display the list of continents in the world