**Practical 8**

**Aim: Introduction to grouping clauses by GROUP BY , ORDER BY and HAVING**

**Q**) Create table customers with attributes cust\_ID,name and country and perform the following queries :

a) SELECT COUNT(CUST\_ID),COUNTRY FROM CUSTOMERS GROUP BY COUNTRY;

b) SELECT COUNT(CUST\_ID), COUNTRY FROM CUSTOMERS GROUP BY COUNTRY HAVING COUNT(CUST\_ID)>2;

c) SELECT COUNT(CUST\_ID), COUNTRY FROM CUSTOMERS GROUP BY COUNTRY HAVING COUNT(CUST\_ID)>2 ORDER BY COUNT(CUST\_ID) ASC , COUNTRY DESC;

d) SELECT COUNT(CUST\_ID), COUNTRY FROM CUSTOMERS GROUP BY COUNTRY HAVING COUNT(CUST\_ID)>2 ORDER BY COUNT(CUST\_ID) ASC , COUNTRY DESC;

e) CREATE VIEW CUSTVIEW AS SELECT \* FROM CUSTOMERS;

f) DROP VIEW CUSTVIEW;

**Answers :**

**Step1: Create the table customers and enter 10 entries**

CREATE TABLE CUSTOMERS(CUST\_ID NUMBER(20) PRIMARY KEY, NAME VARCHAR(100) NOT NULL, COUNTRY VARCHAR(100) NOT NULL);

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INSERT INTO CUSTOMERS VALUES(123,'Deivangh','India');

INSERT INTO CUSTOMERS VALUES(345,'Aditya','India');

INSERT INTO CUSTOMERS VALUES(567,'Himanshu','India');

INSERT INTO CUSTOMERS VALUES(789,'Sanjeev','Australia');

INSERT INTO CUSTOMERS VALUES(901,'Suhani','Australia');

INSERT INTO CUSTOMERS VALUES(245,'Jeetika','UK');

INSERT INTO CUSTOMERS VALUES(689,'Hitesh','UK');

INSERT INTO CUSTOMERS VALUES(198,'Sehaj','UK');

INSERT INTO CUSTOMERS VALUES(187,'Utkarsh','UK');

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AI-generated content may be incorrect.INSERT INTO CUSTOMERS VALUES(820,'Bhumika','New York');

**Step 2: Perform the following queries :**

1. SELECT COUNT(CUST\_ID),COUNTRY FROM CUSTOMERS GROUP BY COUNTRY;

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1. A screenshot of a computer

   AI-generated content may be incorrect.SELECT COUNT(CUST\_ID), COUNTRY FROM CUSTOMERS GROUP BY COUNTRY HAVING COUNT(CUST\_ID)>2;
2. SELECT COUNT(CUST\_ID), COUNTRY FROM CUSTOMERS GROUP BY COUNTRY HAVING COUNT(CUST\_ID)>2 ORDER BY COUNT(CUST\_ID) ASC , COUNTRY DESC;

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1. SELECT COUNT(CUST\_ID), COUNTRY FROM CUSTOMERS GROUP BY COUNTRY HAVING COUNT(CUST\_ID)>2 ORDER BY COUNT(CUST\_ID) ASC , COUNTRY DESC;

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   AI-generated content may be incorrect.CREATE VIEW CUSTVIEW AS SELECT \* FROM CUSTOMERS;

SELECT COUNT(CUST\_ID),COUNTRY FROM CUSTVIEW GROUP BY COUNTRY;

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   AI-generated content may be incorrect.DROP VIEW CUSTVIEW;