**EXPERIMENT – 8**

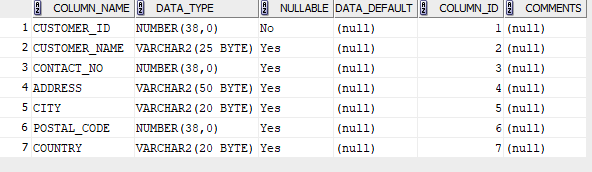
**ORDER BY, GROUP BY AND HAVING CLAUSE**

SQL > create table Customer\_Exp8\_csa\_35(customer\_id int primary key, customer\_name

varchar(25), contact\_no int, address varchar(50), city varchar(20), postal\_code int, country

varchar(20) );

Table created.



SQL > insert into Customer\_Exp8\_csa\_35 values(1, 'Kutty', 1111111111, 'Address1', 'Kuttanadu',

111111, 'India');

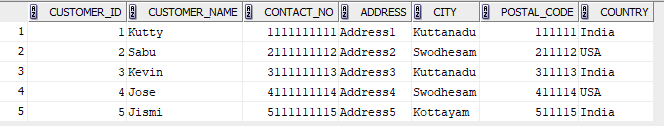
insert into Customer\_Exp8\_csa\_35 values (2, 'Sabu', 2111111112, 'Address2', 'Swodhesam', 211112, 'USA');

insert into Customer\_Exp8\_csa\_35 values (3, 'Kevin', 3111111113, 'Address3', 'Kuttanadu', 311113, 'India');

insert into Customer\_Exp8\_csa\_35 values (4, 'Jose', 4111111114, 'Address4', 'Swodhesam', 411114, 'USA');

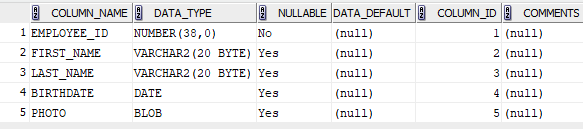
insert into Customer\_Exp8\_csa\_35 values (5, 'Jismi', 5111111115, 'Address5', 'Kottayam', 511115, 'India'); select \* from Customer\_Exp8\_csa\_35;

select \* from Customer\_Exp8\_csa\_35;



SQL > create table Employees\_Exp8\_csa\_35(employee\_id int primary key, first\_name

varchar(20), last\_name varchar(20), birthdate date, photo blob );



SQL > insert into Employees\_Exp8\_csa\_35 values (1, 'Jeswin', 'Jose', '02-02-2004', NULL);

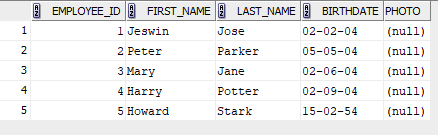
insert into Employees\_Exp8\_csa\_35 values (2, 'Peter', 'Parker', '05-05-2004', NULL);

insert into Employees\_Exp8\_csa\_35 values (3, 'Mary', 'Jane', '02-06-2004', NULL);

insert into Employees\_Exp8\_csa\_35 values (4, 'Harry', 'Potter', '02-09-2004', NULL);

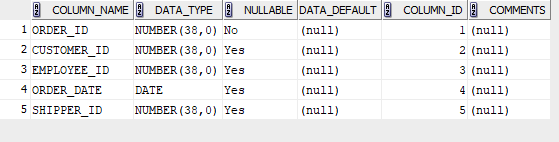
insert into Employees\_Exp8\_csa\_35 values (5, 'Howard', 'Stark', '15-02-1954', NULL);

select \* from Employees\_Exp8\_csa\_35;



SQL > create table Orders\_Exp8\_csa\_35(order\_id int primary key, customer\_id int, employee\_id int,

order\_date date, shipper\_id int, foreign key (customer\_id) references Customer\_Exp8\_csa\_35(customer\_id), foreign key(employee\_id) references Employees\_Exp8\_csa\_35(employee\_id));



SQL > insert into Orders\_Exp8\_csa\_35 values(1, 1, 1, '08-08-2024', 1);

insert into Orders\_Exp8\_csa\_35 values(2, 2, 2, '09-08-2024', 2);

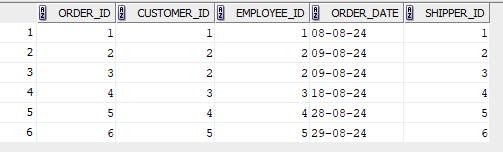
insert into Orders\_Exp8\_csa\_35 values(3, 2, 2, '09-08-2024', 3);

insert into Orders\_Exp8\_csa\_35 values(4, 3, 3, '18-08-2024', 4);

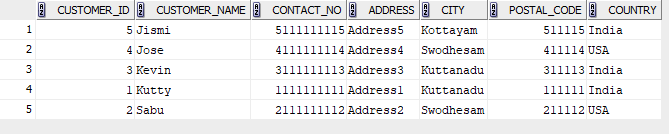
insert into Orders\_Exp8\_csa\_35 values(5, 4, 4, '28-08-2024', 5);

insert into Orders\_Exp8\_csa\_35 values(6, 5, 5, '29-08-2024', 6);

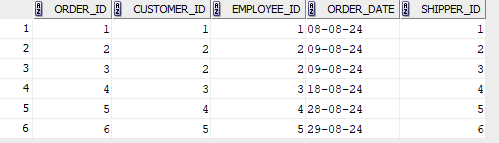
select \* from Orders\_Exp8\_csa\_35;



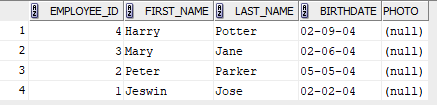
1. SELECT \* FROM Customer\_Exp8\_csa\_35 ORDER BY customer\_name ASC;



1. SELECT \* FROM Orders\_Exp8\_csa\_35 ORDER BY order\_date ASC;



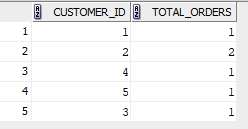
1. SELECT \* FROM Employees\_Exp8\_csa\_35 WHERE birthdate > '01-01-1980' ORDER BY birthdate DESC;



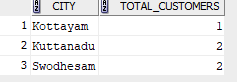
1. SELECT o.\* FROM Orders\_Exp8\_csa\_35 o JOIN Customer\_Exp8\_csa\_35 c ON o.customer\_id = c.customer\_id WHERE c.country = 'USA' ORDER BY o.order\_date DESC;



1. SELECT customer\_id, COUNT(\*) AS total\_orders FROM Orders\_Exp8\_csa\_35 GROUP BY customer\_id;

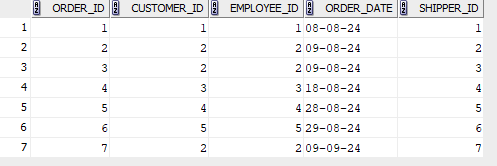


1. SELECT city, COUNT(\*) AS total\_customers FROM Customer\_Exp8\_csa\_35 GROUP BY city;



1. insert into Orders\_Exp8\_csa\_35 values(7, 2, 2, '09-09-2024', 7);

select \* from Orders\_Exp8\_csa\_35;



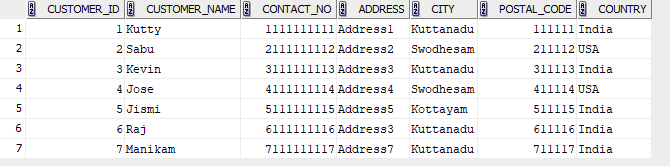
SELECT c.customer\_id, c.customer\_name, COUNT(o.order\_id) AS total\_orders FROM Customer\_Exp8\_csa\_35 c JOIN Orders\_Exp8\_csa\_35 o ON c.customer\_id = o.customer\_id GROUP BY c.customer\_id, c.customer\_name HAVING COUNT(o.order\_id) > 2;



1. insert into Customer\_Exp8\_csa\_35 values (6, 'Raj', 6111111116, 'Address3', 'Kuttanadu', 611116, 'India');

insert into Customer\_Exp8\_csa\_35 values (7, 'Manikam', 7111111117, 'Address7', 'Kuttanadu', 711117, 'India');

select \* from Customer\_Exp8\_csa\_35;



SELECT city, COUNT(\*) AS total\_customers FROM Customer\_Exp8\_csa\_35 GROUP BY city HAVING COUNT(\*) > 3;

