

Assignment - 9

Querying Multiple Tables at once

- ① write a query that lists each order number followed by the name of the customer who made the order.

Ans- `SELECT o.Onum, c.Cname FROM orders o
JOIN customers c ON o.Cnum = c.Cnum;`

- ② write a query that gives the names of both the salesperson and the customer for each order along with the order number.

```
SELECT o.Onum, c.Cname, s.Sname FROM orders  
o JOIN customers c ON o.Cnum = c.Cnum  
JOIN salesperson salespeople s ON o.Snum = s.Snum
```

- ③ write a query that produces all customers serviced by salespeople with a commission above 12%. output the customer's name, the salesperson's name, and the salesperson's rate of commission.

Ans-

```
SELECT c.Cname AS customerName, s.Sname AS salesperson  
Name, s.Comm FROM customers c  
JOIN salesperson salespeople s ON c.Snum = s.Snum  
WHERE s.Comm > 0.12;
```

- ④ write a query that calculates the amount of the salesperson's commission on each order by a customer with a rating above 100.

Ans-

```
SELECT o.Onum, c.Cname, s.Sname, o.Amt,  
(o.Amt * s.Comm) AS commission  
FROM orders o  
JOIN customers c ON o.Cnum = c.Cnum  
JOIN salespeople s ON o.Snum = s.Snum  
WHERE c.Rating > 100;
```