<https://www.w3resource.com/sql-exercises/sql-joins-exercises.php>

1. select s.name, c.cust\_name, c.city from salesman s, customer c where s.city=c.city

2. Select o. ord\_no, o. purch\_amt, c. cust\_name, c.city from orders o INNER JOIN customer c ON o. purch\_amt>500 and o. purch\_amt<2000🡺use between instead > and < also forgot to use cust id as matching id

3. select s.name, c.cust\_name from salesman s OUTER JOIN customer c ON s.salesman\_id=c.salesman\_id 🡺Inner join

4. select c.cust\_name, s.name As “Salesman” from customer c INNER JOIN salesman s ON c.salesman\_id=s.salesman\_id where s.commission>.12

5. select c.cust\_name, s.name as “Salesman” from customer c INNER JOIN salesman s ON c.salesman\_id=s.saleman\_id where c.city<>s.city

6. **select o.order\_no, o.ord\_date,o.purch\_amt,c.cust\_name, s.name,s.commission from order o, custome c, salesman s ON o.salesman\_id=c.salesman\_id and c.salesman\_id=s.salesman\_id and o.customer\_id=c.customer\_id 🡺Wrong**

**Solution: select o.order\_no, o.ord\_date,o.purch\_amt,c.cust\_name, s.name,s.commission from order o INNER JOIN custome c ON o.customer\_id=c.customer\_id INNER JOIN salesman s ON c.salesman\_id=s.salesman\_id**

7.select \* from orders o INNER JOIN customer c ON o.salesman\_id=c.salesman\_id INNER JOIN salesman s ON o.salesman\_id=s.salesman\_id🡺Wrong

Select \* from orders o NATURAL JOIN customer c NATURAL JOIN salesman s

8. select c.cust\_name, s.name from customer C LEFT OUTER JOIN salesman s ON c.salesman\_id=s.salesman\_id order by c.customer\_id

9. select c.cust\_name, c.grade, s.name from customer c LEFT OUTER JOIN saleman s ON c.Salesman\_id=s.salesman\_id order by c.customer\_id

10. select c.cust\_name, c.city, o.ord\_no, o.purch\_amt from customer c LEFT OUTER JOIN order o ON o.customer\_id=c.customer\_id order by o.order\_date