

Practice Assignment 5

Instruction:

** Students are allowed to write their answers (like SQL queries, Screen shot of outputs, etc.) in word file (Answer sheet) provided by instructor. After finishing the assignment, students must convert the word file (Answer sheet) into a PDF file. Finally, students upload the file in Moodle.*

1. Create the following tables in a new database 'Assignment3':

Clients(**Client_Number**, Client_Name, Address, City, Pincode, Province, Amount_Paid, Amount_Due)

Product(**Product_Number**, Product_Name, Quantity_On_Hand, Quantity_Sell, Sell_Price, Cost_Price)

Salesman (**Salesman_Number**, Salesman_Name, Address, City, Pincode, Province, Salary, Sales_Target, Target_Achieve, Phone)

Salesorder(**Order_Number**, Order_Date, **Client_Number**, **Salesman_Number**, Delivery_Status, Delivery_Date, Order_Status)

Salesorderdetails(**Order_Number**, **Product_Number**, Order_Quantity)

Insert more values data below:

Salesman

('S007','Quang','Chanh My','Da Lat',700032,'Lam Dong',25000,90,95,'0900853487')

('S008','Hoa','Hoa Phu','Thu Dau Mot',700051,'Binh Duong',13500,50,75,'0998213659')

Salesorder

('O20015','2022-05-12','C108','S007','On Way', '2022-05-15','Successful')

('O20016','2022-05-16','C109','S008','Ready to Ship',null,'In Process')

Salesorderdetails

('O20015','P1008',15),

('O20015','P1007',10),

('O20016','P1007',20);

('O20016','P1003',5);

- Using Joining table to combine rows from more tables. (NATURAL JOIN, INNER JOIN, LEFT JOIN, RIGHT JOIN, CROSS JOIN, SELF JOIN)

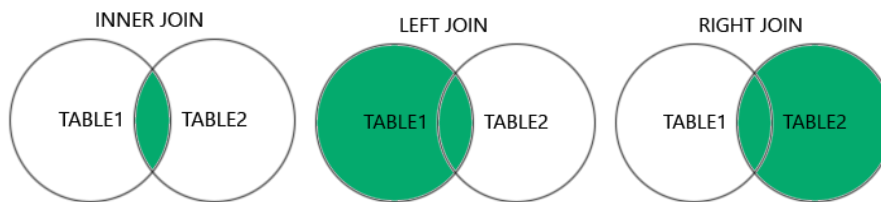
Supported Types of Joins in MySQL

INNER JOIN: Returns records that have matching values in both tables

LEFT JOIN: Returns all records from the left table, and the matched records from the right table

RIGHT JOIN: Returns all records from the right table, and the matched records from the left table

CROSS JOIN: Returns all records from both tables



- Display the clients (name) who lives in same city.

```
13 • SELECT DISTINCT LEAST(c1.client_name, c2.client_name) AS Client1,
14                      GREATEST(c1.client_name, c2.client_name) AS Client2,
15                      c1.City
16 FROM clients c1
17 JOIN clients c2 ON c1.city = c2.city AND c1.client_name < c2.client_name
18 ORDER BY c1.city, Client1, Client2;
```

Result Grid Filter Rows: Export: Wrap Cell Content:			
	Client1	Client2	City
▶	Nguyen Sy	Trinh Huu	Da Lat
	Mai Xuan	Nguyen Thanh	Dai An
	Ho Nhu	Tran Minh	Hanoi
	Duong Thanh	Tran Hai	Ho Chi Minh
	Le Xuan	Tran Tuan	Thu Dau Mot

- Display city, the client names and salesman names who live in “Thu Dau Mot” city.

```
22 • SELECT DISTINCT c.Client_Name, s.Salesman_Name, c.City
23 FROM clients c
24 INNER JOIN Salesman s ON c.City = s.City
25 WHERE c.City = 'Thu Dau Mot';
```

Result Grid Filter Rows: Export: Wrap Cell Content:			
	Client_Name	Salesman_Name	City
▶	Le Xuan	Hoa	Thu Dau Mot
	Le Xuan	Deb	Thu Dau Mot
	Le Xuan	Khoa	Thu Dau Mot
	Tran Tuan	Hoa	Thu Dau Mot
	Tran Tuan	Deb	Thu Dau Mot
	Tran Tuan	Khoa	Thu Dau Mot

3. Display client name, client number, order number, salesman number, and product number for each order.

```
28 • SELECT c.Client_Name, c.Client_Number, so.Order_Number, so.Salesman_Number, sod.Product_Number
29 FROM clients c
30 INNER JOIN SalesOrder so ON c.Client_Number = so.Client_Number
31 INNER JOIN SalesOrderDetails sod ON so.Order_Number = sod.Order_Number;
```

Client_Name	Client_Number	Order_Number	Salesman_Number	Product_Number
Mai Xuan	C101	O20001	S003	P1001
Mai Xuan	C101	O20001	S003	P1002
Mai Xuan	C101	O20005	S003	P1001
Mai Xuan	C101	O20005	S003	P1008
Mai Xuan	C101	O20005	S003	P1002
Mai Xuan	C101	O20009	S004	P1008
Le Xuan	C102	O20002	S003	P1007
Le Xuan	C102	O20008	S006	P1004
Trinh Huu	C103	O20003	S002	P1003
Tran Tuan	C104	O20004	S003	P1004
Ho Nhu	C105	O20006	S005	P1002
Tran Hai	C106	O20007	S001	P1005
Tran Hai	C106	O20010	S006	P1006
Tran Hai	C106	O20010	S006	P1001
Nguyen Th...	C107	O20011	S005	P1007
Nguyen Sy	C108	O20012	S004	P1005
Nguyen Sy	C108	O20012	S004	P1001
Nguyen Sy	C108	O20015	S007	P1008
Nguyen Sy	C108	O20015	S007	P1007
Duong Thanh	C109	O20013	S001	P1006
Duong Thanh	C109	O20016	S008	P1007
Duong Thanh	C109	O20016	S008	P1003
Tran Minh	C110	O20014	S001	P1002

4. Find each order (client_number, client_name, order_number) placed by each client.

```
33 • select client_number, client_name, order_number
34 from clients natural join salesorder;
```

client_number	client_name	order_number
C101	Mai Xuan	O20001
C101	Mai Xuan	O20005
C101	Mai Xuan	O20009
C102	Le Xuan	O20002
C102	Le Xuan	O20008
C103	Trinh Huu	O20003
C104	Tran Tuan	O20004
C105	Ho Nhu	O20006
C106	Tran Hai	O20007
C106	Tran Hai	O20010
C107	Nguyen Th...	O20011
C108	Nguyen Sy	O20012
C108	Nguyen Sy	O20015
C109	Duong Thanh	O20013
C109	Duong Thanh	O20016
C110	Tran Minh	O20014

5. Display the details of clients (client_number, client_name) and the number of orders which is paid by them.

```
38 • select c.Client_Number, c.Client_Name, count(so.order_number) as NumberOfOrder
39 FROM clients c JOIN salesorder so ON c.Client_Number = so.Client_Number
40 group by c.client_number
41 having count(so.order_number);
```

Client_Number	Client_Name	NumberOfOrder
C101	Mai Xuan	3
C102	Le Xuan	2
C103	Trinh Huu	1
C104	Tran Tuan	1
C105	Ho Nhu	1
C106	Tran Hai	2
C107	Nguyen Thanh	1
C108	Nguyen Sy	2
C109	Duong Thanh	2
C110	Tran Minh	1

6. Display the details of clients (client_number, client_name) who have paid for more than 2 orders.

```
44 • SELECT c.Client_Number, c.Client_Name, COUNT(so.Order_Number) AS Number_of_Orders
45 FROM clients c
46 JOIN SalesOrder so ON c.Client_Number = so.Client_Number
47 GROUP BY c.Client_Number, c.Client_Name
48 HAVING COUNT(so.Order_Number) > 2;
49
```

Client_Number	Client_Name	Number_of_Orders
C101	Mai Xuan	3

7. Display details of clients who have paid for more than 1 order in descending order of client_number.

```
51 • SELECT c.*, COUNT(so.Order_Number) AS Number_of_Orders
52 FROM clients c
53 JOIN SalesOrder so ON c.Client_Number = so.Client_Number
54 GROUP BY c.Client_Number, c.Client_Name
55 HAVING COUNT(so.Order_Number) > 1
56 ORDER BY c.Client_Number DESC;
```

Client_Number	Client_Name	Address	City	Pincode	Province	Amount_Paid	Amount_Due	Number_of_Orders
C109	Duong Thanh	Phu Hoa	Ho Chi Minh	700011	Ho Chi Minh	12000.0000	8000.0000	2
C108	Nguyen Sy	Tan An	Da Lat	700032	Lam Dong	15000.0000	1000.0000	2
C106	Tran Hai	Phu Hoa	Ho Chi Minh	700002	Ho Chi Minh	7000.0000	1300.0000	2
C102	Le Xuan	Phu Hoa	Thu Dau Mot	700051	Binh Duong	18000.0000	3000.0000	2
C101	Mai Xuan	Phu Hoa	Dai An	700001	Binh Duong	10000.0000	5000.0000	3

8. Find the salesman names who sells more than 20 products.

```

59 • select s.Salesman_Name
60 from salesman s inner join salesorder so on s.Salesman_Number = so.Salesman_Number
61 inner join salesorderdetails sod on so.Order_Number = sod.Order_Number
62 group by s.Salesman_Name
63 having SUM(sod.Order_Quantity)>20;
64

```

Salesman_Name
Huu
Khoa
Tin
Quang
Hoa

9. Display the client information (client_number, client_name) and order number of those clients who have order status is canceled.

```

66 • select c.Client_Number, c.Client_Name, so.Order_Number, so.Order_Status
67 from clients c
68 join salesorder so on c.Client_Number = so.Client_Number
69 where so.Order_Status = 'Cancelled';
70

```

Client_Number	Client_Name	Order_Number	Order_Status
C102	Le Xuan	O20002	Cancelled
C101	Mai Xuan	O20005	Cancelled
C107	Nguyen Thanh	O20011	Cancelled

10. Display client name, client number of clients C101 and count the number of orders which were received “successful”.

```

72 • SELECT c.client_number, c.client_name, count(so.Order_Status)
73 FROM clients c
74 JOIN salesorder so ON c.Client_Number = so.Client_Number
75 WHERE so.Order_Status = 'successful' and c.Client_Number = 'C101';
76

```

client_number	client_name	count(so.Order_Status)
C101	Mai Xuan	2

11. Count the number of clients orders placed for each product.

```

78 • SELECT p.Product_Number, p.Product_Name, COUNT(p.Product_Number)
79 FROM product p
80 INNER JOIN SalesOrderDetails sod ON sod.Product_Number = p.Product_Number
81 GROUP BY p.Product_Number;

```

Product_Number	Product_Name	COUNT(p.Product_Number)
P1001	TV	4
P1002	Laptop	4
P1003	AC	2
P1004	Modem	2
P1005	Pen	2
P1006	Mouse	2
P1007	Keyboard	4
P1008	Headset	3

12. Find product numbers that were ordered by more than two clients then order in descending by product number.

```

84 • SELECT p.Product_Number, p.Product_Name, COUNT(p.Product_Number)
85 FROM product p
86 INNER JOIN SalesOrderDetails sod ON sod.Product_Number = p.Product_Number
87 GROUP BY p.Product_Number, p.Product_Name
88 HAVING COUNT(p.Product_Number) > 2
89 ORDER BY p.Product_Number DESC;

```

Product_Number	Product_Name	COUNT(p.Product_Number)
P1008	Headset	3
P1007	Keyboard	4
P1002	Laptop	4
P1001	TV	4

b) Using nested query with operator (IN, EXISTS, ANY and ALL)

13. Find the salesman's names who is getting the second highest salary.

```

92 • select Salesman_Name
93 from salesman
94 where salary = (select distinct salary
95                  from salesman
96                  order by salary desc
97                  limit 1,1);

```

Salesman_Name
Tin

14. Find the salesman's names who is getting second lowest salary.

```
100 • SELECT Salesman_Name
101 FROM Salesman
102 WHERE Salary = (
103     SELECT DISTINCT Salary
104     FROM Salesman
105     ORDER BY Salary ASC
106     LIMIT 1 OFFSET 1
107 );
```

Result Grid	Filter Rows:
Salesman_Name	
Huu	

15. Write a query to find the name and the salary of the salesman who have a higher salary than the salesman whose salesman number is S001.

```
110 • SELECT Salesman_Name, Salary
111 FROM Salesman
112 WHERE Salary > (SELECT Salary FROM Salesman WHERE Salesman_Number = 'S001');
```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
Salesman_Name	Salary		
Phat	25000.0000		
Khoa	17500.0000		
Tien	16500.0000		
Tin	20000.0000		
Quang	25000.0000		

16. Write a query to find the name of all salesman who sold the product has number: P1002.

```
115 • SELECT DISTINCT s.Salesman_Name
116 FROM Salesman s
117 JOIN SalesOrder so ON s.Salesman_Number = so.Salesman_Number
118 JOIN SalesOrderDetails sod ON so.Order_Number = sod.Order_Number
119 WHERE sod.Product_Number = 'P1002';
```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
Salesman_Name			
Khoa			
Deb			
Huu			

17. Find the name of the salesman who sold the product to client C108 with delivery status is “delivered”.

```

122 • SELECT DISTINCT s.Salesman_Name
123 FROM Salesman s
124 JOIN SalesOrder so ON s.Salesman_Number = so.Salesman_Number
125 JOIN SalesOrderDetails sod ON so.Order_Number = sod.Order_Number
126 WHERE so.Client_Number = 'C108'
127 AND so.Order_Status = 'Delivered';

```

Result Grid			Filter Rows: <input type="text"/>	Export:	Wrap Cell Content:
Salesman_Name					

18. Display lists the ProductName in ANY records in the sale Order Details table has Order Quantity equal to 5.

```

130 • SELECT DISTINCT p.Product_Name
131 FROM product p
132 JOIN SalesOrderDetails sod ON p.Product_Number = sod.Product_Number
133 WHERE sod.Order_Quantity = 5;

```

Result Grid			Filter Rows: <input type="text"/>	Export:	Wrap Cell Content:
	Product_Name				
▶	TV				
	Laptop				
	AC				

19. Write a query to find the name and number of the salesman who sold pen or TV or laptop.

```

136 • SELECT DISTINCT s.Salesman_Name, s.Salesman_Number
137 FROM Salesman s
138 JOIN SalesOrder so ON s.Salesman_Number = so.Salesman_Number
139 JOIN SalesOrderDetails sod ON so.Order_Number = sod.Order_Number
140 JOIN product p ON sod.Product_Number = p.Product_Number
141 WHERE p.Product_Name IN ('Pen', 'TV', 'Laptop');

```

Result Grid			Filter Rows: <input type="text"/>	Export:	Wrap Cell Content:
	Salesman_Name	Salesman_Number			
▶	Khoa	S003			
	Deb	S005			
	Huu	S001			
	Tien	S004			
	Tin	S006			

20. Lists the salesman's name sold product with a product price less than 800 and Quantity_On_Hand more than 50.


```

144 • SELECT DISTINCT s.Salesman_Name
145 FROM Salesman s
146 JOIN SalesOrder so ON s.Salesman_Number = so.Salesman_Number
147 JOIN SalesOrderDetails sod ON so.Order_Number = sod.Order_Number
148 JOIN product p ON sod.Product_Number = p.Product_Number
149 WHERE p.Sell_Price < 800 AND p.Quantity_On_Hand > 50;

```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	Salesman_Name			
▶	Khoa			
	Tien			
	Quang			

21. Write a query to find the name and salary of the salesman whose salary is greater than the average salary.

```

152 • SELECT Salesman_Name, Salary
153 FROM Salesman
154 WHERE Salary > (SELECT AVG(Salary) FROM Salesman);

```

Result Grid		Filter Rows:	Export:	Wrap Cell C
	Salesman_Name	Salary		
▶	Phat	25000.0000		
	Tin	20000.0000		
	Quang	25000.0000		

22. Write a query to find the name and Amount Paid of the clients whose amount paid is greater than the average amount paid.

```

157 • SELECT Client_Name, Amount_Paid
158 FROM clients
159 WHERE Amount_Paid > (SELECT AVG(Amount_Paid) FROM clients);

```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	Client_Name	Amount_Paid		
▶	Le Xuan	18000.0000		
	Nguyen Sy	15000.0000		
	Duong Thanh	12000.0000		

II. Additional exercise:

23. Find the product price that was sold to Le Xuan.

```

162 • SELECT p.Product_Name, p.Sell_Price
163 FROM SalesOrder so
164 JOIN clients c ON so.Client_Number = c.Client_Number
165 JOIN SalesOrderDetails sod ON so.Order_Number = sod.Order_Number
166 JOIN product p ON sod.Product_Number = p.Product_Number
167 WHERE c.Client_Name = 'Le Xuan';

```

Result Grid Filter Rows: <input type="text"/> Export: Wrap Cell Content:		
	Product_Name	Sell_Price
▶	Keyboard	120.0000
	Modem	250.0000

24. Determine the product name, client name and amount due that was delivered.

```

170 • SELECT p.Product_Name, c.Client_Name, c.Amount_Due
171 FROM SalesOrder so
172 JOIN clients c ON so.Client_Number = c.Client_Number
173 JOIN SalesOrderDetails sod ON so.Order_Number = sod.Order_Number
174 JOIN product p ON sod.Product_Number = p.Product_Number
175 WHERE so.Delivery_Status = 'Delivered';

```

Result Grid Filter Rows: <input type="text"/> Export: Wrap Cell Content:			
	Product_Name	Client_Name	Amount_Due
▶	TV	Mai Xuan	5000.0000
	Laptop	Mai Xuan	5000.0000
	Keyboard	Le Xuan	3000.0000
	AC	Trinh Huu	3200.0000
	Modem	Tran Tuan	0.0000
	Pen	Tran Hai	1300.0000
	Mouse	Tran Hai	1300.0000
	TV	Tran Hai	1300.0000

25. Find the salesman's name and their product name which is canceled.

```

178 • SELECT s.Salesman_Name, p.Product_Name
179 FROM SalesOrder so
180 JOIN Salesman s ON so.Salesman_Number = s.Salesman_Number
181 JOIN SalesOrderDetails sod ON so.Order_Number = sod.Order_Number
182 JOIN product p ON sod.Product_Number = p.Product_Number
183 WHERE so.Order_Status = 'Cancelled';

```

Result Grid Filter Rows: <input type="text"/> Export: Wrap Cell Content:		
	Salesman_Name	Product_Name
▶	Khoa	Keyboard
	Khoa	TV
	Khoa	Headset
	Khoa	Laptop
	Deb	Keyboard

26. Find product names, prices and delivery status for those products purchased by Nguyen Thanh.

```

186 • SELECT p.Product_Name, p.Sell_Price, so.Delivery_Status
187 FROM product p
188 INNER JOIN SalesOrderDetails sod ON p.Product_Number = sod.Product_Number
189 INNER JOIN SalesOrder so ON so.Order_Number = sod.Order_Number
190 INNER JOIN clients c ON c.Client_Number = so.Client_Number
191 WHERE c.Client_Name LIKE 'Nguyen Thanh ';

```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

Product_Name	Sell_Price	Delivery_Status
Keyboard	120.0000	Ready to Ship

27. Display the product name, sell price, salesperson name, delivery status, and order quantity information for each customer.

```

194 • SELECT p.Product_Name, p.Sell_Price, s.Salesman_Name, so.Delivery_Status, sod.Order_Quantity
195 FROM product p
196 JOIN SalesOrderDetails sod ON p.Product_Number = sod.Product_Number
197 JOIN SalesOrder so ON sod.Order_Number = so.Order_Number
198 JOIN Salesman s ON so.Salesman_Number = s.Salesman_Number;

```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

Product_Name	Sell_Price	Salesman_Name	Delivery_Status	Order_Quantity
Pen	12.0000	Huu	Delivered	6
Mouse	100.0000	Huu	Ready to Ship	10
Laptop	1500.0000	Huu	On Way	20
AC	400.0000	Phat	Delivered	12
TV	1000.0000	Khoa	Delivered	5
Laptop	1500.0000	Khoa	Delivered	4
Keyboard	120.0000	Khoa	Delivered	10
Modem	250.0000	Khoa	Delivered	3
TV	1000.0000	Khoa	On Way	8
Headset	50.0000	Khoa	On Way	15
Laptop	1500.0000	Khoa	On Way	14
Headset	50.0000	Tien	On Way	2
Pen	12.0000	Tien	On Way	3
TV	1000.0000	Tien	On Way	2
Laptop	1500.0000	Deb	Ready to Ship	5
Keyboard	120.0000	Deb	Ready to Ship	6
Modem	250.0000	Tin	Ready to Ship	8
Mouse	100.0000	Tin	Delivered	11
TV	1000.0000	Tin	Delivered	9
Headset	50.0000	Quang	On Way	15
Keyboard	120.0000	Quang	On Way	10
Keyboard	120.0000	Hoa	Ready to Ship	20
AC	400.0000	Hoa	Ready to Ship	5

28. Find the names, product names, and order dates of all sales staff whose product order status has been successful but the items have not yet been delivered to the client.

```

201 • SELECT s.Salesman_Name, p.Product_Name, so.Order_Date
202 FROM Salesman s
203 JOIN SalesOrder so ON s.Salesman_Number = so.Salesman_Number
204 JOIN SalesOrderDetails sod ON so.Order_Number = sod.Order_Number
205 JOIN product p ON sod.Product_Number = p.Product_Number
206 WHERE so.Order_Status = 'Successful' AND so.Delivery_Status != 'Delivered';

```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
Salesman_Name	Product_Name	Order_Date	
Tien	Headset	2022-04-24	
Tien	Pen	2022-05-12	
Tien	TV	2022-05-12	
Huu	Laptop	2022-05-16	
Quang	Headset	2022-05-12	
Quang	Keyboard	2022-05-12	

29. Find each clients' product which is on the way.

```

209 • SELECT c.Client_Name, p.Product_Name
210 FROM clients c
211 JOIN SalesOrder so ON c.Client_Number = so.Client_Number
212 JOIN SalesOrderDetails sod ON so.Order_Number = sod.Order_Number
213 JOIN product p ON sod.Product_Number = p.Product_Number
214 WHERE so.Delivery_Status = 'On Way';

```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
Client_Name	Product_Name		
Mai Xuan	TV		
Mai Xuan	Headset		
Mai Xuan	Laptop		
Mai Xuan	Headset		
Nguyen Sy	Pen		
Nguyen Sy	TV		
Tran Minh	Laptop		
Nguyen Sy	Headset		
Nguyen Sy	Keyboard		

30. Find salary and the salesman's names who is getting the highest salary.

```

217 • SELECT Salary, Salesman_Name
218 FROM Salesman
219 WHERE Salary = (SELECT MAX(Salary) FROM Salesman);

```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
Salary	Salesman_Name		
25000.0000	Phat		
25000.0000	Quang		

31. Find salary and the salesman's names who is getting the second lowest salary.

```

222 • SELECT Salary, Salesman_Name
223 FROM Salesman
224 WHERE Salary = (
225     SELECT DISTINCT Salary
226     FROM Salesman
227     ORDER BY Salary ASC
228     LIMIT 1 OFFSET 1
229 );

```

Salary	Salesman_Name
15000.0000	Huu

32. Display lists the ProductName in ANY records in the sale Order Details table has Order Quantity more than 9.

```

232 • SELECT DISTINCT p.Product_Name
233 FROM product p
234 JOIN SalesOrderDetails sod ON p.Product_Number = sod.Product_Number
235 WHERE sod.Order_Quantity > 9;

```

Product_Name
Keyboard
AC
Headset
Laptop
Mouse

33. Find the name of the customer who ordered the same item multiple times.

```

238 • SELECT c.Client_Name
239 FROM clients c
240 JOIN SalesOrder so ON c.Client_Number = so.Client_Number
241 JOIN SalesOrderDetails sod ON so.Order_Number = sod.Order_Number
242 GROUP BY c.Client_Name, sod.Product_Number
243 HAVING COUNT(sod.Product_Number) > 1;

```

Client_Name
Mai Xuan
Mai Xuan
Mai Xuan

34. Write a query to find the name, number and salary of the salesman who earns less than the average salary and works in any of Thu Dau Mot city.

```

246 • SELECT Salesman_Name, Salesman_Number, Salary
247 FROM Salesman
248 WHERE Salary < (SELECT AVG(Salary) FROM Salesman)
249 AND City = 'Thu Dau Mot';

```

	Salesman_Name	Salesman_Number	Salary
▶	Khoa	S003	17500.0000
	Deb	S005	13500.0000
	Hoa	S008	13500.0000

35. Write a query to find the name, number and salary of the salesman who earns a salary that is higher than the salary of all the salesmen have (Order_status = 'Canceled'). Sort the results of the salary of the lowest to highest.

```

252 • SELECT Salesman_Name, Salesman_Number, Salary
253 FROM Salesman
254 WHERE Salary > ALL (
255     SELECT Salary
256     FROM Salesman s
257     JOIN SalesOrder so ON s.Salesman_Number = so.Salesman_Number
258     WHERE so.Order_Status = 'Cancelled'
259 )
260 ORDER BY Salary ASC;

```

	Salesman_Name	Salesman_Number	Salary
▶	Tin	S006	20000.0000
	Phat	S002	25000.0000
	Quang	S007	25000.0000

36. Write a query to find the 4th maximum salary on the salesman's table.

```

263 • SELECT Salary
264 FROM Salesman
265 ORDER BY Salary DESC
266 LIMIT 3,1;

```

	Salary
▶	17500.0000

37. Write a query to find the 3th minimum salary in the salesman's table.

```

269 • SELECT Salary
270 FROM Salesman
271 ORDER BY Salary ASC
272 LIMIT 2,1;

```

	Salary
▶	15000.0000