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Basis Data Lanjut

Praktikum 2

1. Using the Global Fast Foods database, retrieve the customer's first name, last name, and address for the customer who uses ID 456

   →
   ```
   SELECT first_name, last_name, address, id
   FROM f_customers
   WHERE id IN (456);
   ```
   Atau
   ```
   SELECT first_name, last_name, address, id
   FROM f_customers
   WHERE id = 456;
   ```
   Result :

FIRST_NAME	LAST_NAME	ADDRESS	ID
Zoe	Twee	1009 Oliver Avenue	456

2. The following query was supposed to return the CD title "Carpe Diem" but no rows were returned. Correct the mistake in the statement and show the output.
   ```
   SELECT produce, title
   FROM d_cds
   WHERE title = 'carpe diem' ;
   ```

   →
   ```
   SELECT producer, title
   FROM d_cds
   WHERE title like 'C%';
   ```
   Result :

PRODUCER	TITLE
R & B Inc.	Carpe Diem

3. Write a SQL statement that lists the Global Fast Foods employees who were born before 1980.

   →
   ```
   SELECT *
   ```

```
FROM f_staffs
WHERE  birthdate < '01/01/1980';
```

Result :

ID	FIRST_NAME	LAST_NAME	BIRTHDATE	SALARY	OVERTIME_RATE	TRAINING	STAFF_TYPE	MANAGER_ID	MANAGER_BUDGET	MANAGER_TARGET
9	Bob	Miller	03/19/1979	10	-	Grill	Cook	19	-	-
19	Monique	Tuttle	03/30/1969	60	-	-	Manager	-	50000	70000

Atau

```
SELECT id, first_name||' '||last_name As Name,
birthdate
FROM f_staffs
WHERE  birthdate < '01/01/1980';
```

Result :

ID	NAME	BIRTHDATE
9	Bob Miller	03/19/1979
19	Monique Tuttle	03/30/1969

4. Display the first name, last name, and salary of all Global Fast Foods staff whose salary is between $5.00 and $10.00 per hour.

→

```
SELECT first_name, last_name, salary
FROM f_staffs
WHERE  salary >= 5.00 AND salary <= 10.00;
```

Atau

```
SELECT first_name, last_name, salary
FROM f_staffs
WHERE  salary BETWEEN 5.00 AND 10.00;
```

Result :

FIRST_NAME	LAST_NAME	SALARY
Sue	Doe	6.75
Bob	Miller	10

5. Select all the Oracle database employees whose last names end with “s”. Change the heading of the column to read Possible Candidates.

→

```
SELECT last_name as "Possible Candidates"
FROM employees
WHERE last_name LIKE '%s';
```

Result :

Possible Candidates
Davies
Higgins
Matos
Mourgos
Rajs
Vargas

6. Write a SQL statement that lists the songs in the DJs on Demand inventory that are type code 77, 12, or 1.

→
```
SELECT *
FROM d_songs
WHERE type_code = 77
OR type_code = 12
OR type_code = 1
ORDER BY type_code;
```

Result :

ID	TITLE	DURATION	ARTIST	TYPE_CODE
48	Meet Me At the Altar	6 min	Bobby West	1
46	Im Going to Miss My Teacher	2 min	Jane Pop	12
45	Its Finally Over	5 min	The Hobbits	12
49	Lets Celebrate	8 min	The Celebrants	77
47	Hurrah for Today	3 min	The Jubilant Trio	77

7. Write SQL statement that will produce the desired output!

Who am I?

I was hired by Oracle after May 1998 but before June of 1999. My salary is less than $8000 per month, and I have an “en” in my last name.

→
```
SELECT hire_date, last_name, salary
FROM employees
WHERE   hire_date  >  '05/01/1998'  AND  hire_date  <
'06/01/1999'
AND salary <= 8000 AND last_name LIKE '%en%';
```

Result :

HIRE_DATE	LAST_NAME	SALARY
02/07/1999	Lorentz	4200

8. In the example below, assign the employee_id column the alias of “Number.” Complete the SQL statement to order the result set by the column alias!

```
SELECT employee_id, first_name, last_name
FROM employees;
```

→

```
SELECT employee_id as "Number", first_name, last_name
FROM employees
Order by "Number";
```

Result :

Number	FIRST_NAME	LAST_NAME
100	Steven	King
101	Neena	Kochhar
102	Lex	De Haan
103	Alexander	Hunold
104	Bruce	Ernst
107	Diana	Lorentz
124	Kevin	Mourgos
141	Trenna	Rajs
142	Curtis	Davies
143	Randall	Matos
More than 10 rows available. Increase rows selector to view more rows.		

9. Order the DJs on Demand songs by descending title. Use the alias "Our Collection" for the song title.

→

```
SELECT title as "Our Collection"
FROM d_songs
ORDER BY title DESC;
```

Result :

Our Collection
Meet Me At the Altar
Lets Celebrate
Its Finally Over
Im Going to Miss My Teacher
Hurrah for Today
All These Years

10.
```
SELECT prefix
FROM phone
WHERE prefix BETWEEN 360 AND 425
OR prefix IN (206,253,625)
```

```
AND prefix BETWEEN 315 AND 620;
```

Which of the following values could be returned?

625, 902, 410, 499

→ 625