

# **PRAKTIKUM SISTEM DATABASE II**

## **(TUGAS 1)**



**Disusun Oleh:**

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Soal:

1. `SELECT * FROM OEHR_EMPLOYEES WHERE JOB_ID = 'IT_PROG';`

The screenshot shows the Oracle APEX SQL Workshop interface. The SQL command entered is `SELECT * FROM OEHR_EMPLOYEES WHERE JOB_ID = 'IT_PROG';`. The results are displayed in a table with 11 columns: **EMPLOYEE\_ID**, **FIRST\_NAME**, **LAST\_NAME**, **EMAIL**, **PHONE\_NUMBER**, **HIRE\_DATE**, **JOB\_ID**, **SALARY**, **COMMISSION\_PCT**, **MANAGER\_ID**, and **DEPARTMENT\_ID**. The table contains 5 rows of data.

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	COMMISSION_PCT	MANAGER_ID	DEPARTMENT_ID
103	Alexander	Hunold	AHUNOLD	590.423.4567	02/13/2012	IT_PROG	9000	-	102	60
104	Bruce	Ernst	BERNST	590.423.4568	06/30/2013	IT_PROG	6000	-	103	60
105	David	Austin	DAUSTIN	590.423.4569	08/05/2019	IT_PROG	4800	-	103	60
106	Valli	Pataballa	VPATABAL	590.423.4560	03/17/2020	IT_PROG	4800	-	103	60
107	Diana	Lorentz	DLORENTZ	590.423.5567	03/19/2021	IT_PROG	4200	-	103	60

5 rows returned in 0.01 seconds

2. `SELECT CUST_FIRST_NAME, CITY FROM OEHR_CUSTOMERS WHERE CITY = 'New Delhi';`

The screenshot shows the Oracle APEX SQL Workshop interface. The SQL command entered is `SELECT CUST_FIRST_NAME, CITY FROM OEHR_CUSTOMERS WHERE CITY = 'New Delhi';`. The results are displayed in a table with 2 columns: **CUST\_FIRST\_NAME** and **CITY**. The table contains 5 rows of data.

CUST_FIRST_NAME	CITY
Rodolfo	New Delhi
Rodolfo	New Delhi
Roger	New Delhi
Rufus	New Delhi
Rufus	New Delhi

5 rows returned in 0.00 seconds

3. `SELECT * FROM OEHR_EMPLOYEES WHERE JOB_ID = 'IT_PROG' AND SALARY > '4800';`

The screenshot shows the Oracle APEX SQL Workshop interface. The SQL command entered is: `SELECT * FROM OEHR_EMPLOYEES WHERE JOB_ID = 'IT_PROG' AND SALARY > '4800';`. The results table displays 2 rows of employee data.

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	COMMISSION_PCT	MANAGER_ID	DEPARTMENT_ID
103	Alexander	Hunold	AHUNOLD	590.423.4567	02/15/2012	IT_PROG	9000	-	102	60
104	Bruce	Ernst	BERNST	590.423.4568	06/30/2015	IT_PROG	6000	-	105	60

2 rows returned in 0.01 seconds

#### 4. SELECT LAST\_NAME, SALARY, SALARY + 500 FROM OEHR\_EMPLOYEES;

The screenshot shows the Oracle APEX SQL Workshop interface. The SQL command entered is: `SELECT LAST_NAME, SALARY, SALARY + 500 FROM OEHR_EMPLOYEES;`. The results table displays 10 rows of employee data, showing the last name, salary, and salary plus 500.

LAST_NAME	SALARY	SALARY+500
King	24000	24500
Kochhar	17000	17500
De Haan	17000	17500
Hunold	9000	9500
Ernst	6000	6500
Austin	4800	5300
Pataballa	4800	5300
Lorentz	4200	4700
Greenberg	12000	12500
Faviet	9000	9500

More than 10 rows available. Increase rows selector to view more rows.

#### 5. SELECT \* FROM OEHR\_EMPLOYEES WHERE JOB\_ID = 'IT\_PROG' AND ROWNUM <= 3 ORDER BY SALARY DESC;

Oracle APEX SQL Workshop interface showing a query execution result.

Query: `SELECT * FROM OEHR_EMPLOYEES WHERE JOB_ID = 'IT_PROG' AND ROWNUM <= 3 ORDER BY SALARY DESC;`

Results:

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	COMMISSION_PCT	MANAGER_ID	DEPARTMENT_ID
103	Alexander	Hunold	AHUNOLD	590.423.4567	02/15/2012	IT_PROG	9000	-	102	60
104	Bruce	Ernst	BERNST	590.423.4568	06/30/2013	IT_PROG	6000	-	103	60
105	David	Austin	DAUSTIN	590.423.4569	08/05/2019	IT_PROG	4800	-	105	60

3 rows returned in 0.00 seconds

6. `SELECT CONCAT(CONCAT(FIRST_NAME, ' '), LAST_NAME) AS "NAMA LENGKAP", SALARY AS "GAJI PERTAHUN", JOB_ID AS PEKERJAAN FROM OEHR_EMPLOYEES;`

Oracle APEX SQL Workshop interface showing a query execution result.

Query: `SELECT CONCAT(CONCAT(FIRST_NAME, ' '), LAST_NAME) AS "NAMA LENGKAP", SALARY AS "GAJI PERTAHUN", JOB_ID AS PEKERJAAN FROM OEHR_EMPLOYEES;`

Results:

NAMA LENGKAP	GAJI PERTAHUN	PEKERJAAN
Steven King	24000	AD_PRES
Neena Kochhar	17000	AD_VP
Lex De Haan	17000	AD_VP
Alexander Hunold	9000	IT_PROG
Bruce Ernst	6000	IT_PROG
David Austin	4800	IT_PROG
Valli Pataballa	4800	IT_PROG
Diana Lorentz	4200	IT_PROG
Nancy Greenberg	12000	FI_MGR
Daniel Faviet	9000	FI_ACCOUNT

More than 10 rows available. Increase rows selector to view more rows.  
10 rows returned in 0.00 seconds