

SISTEM DATABASE II

(Tugas 2)



Disusun Oleh:

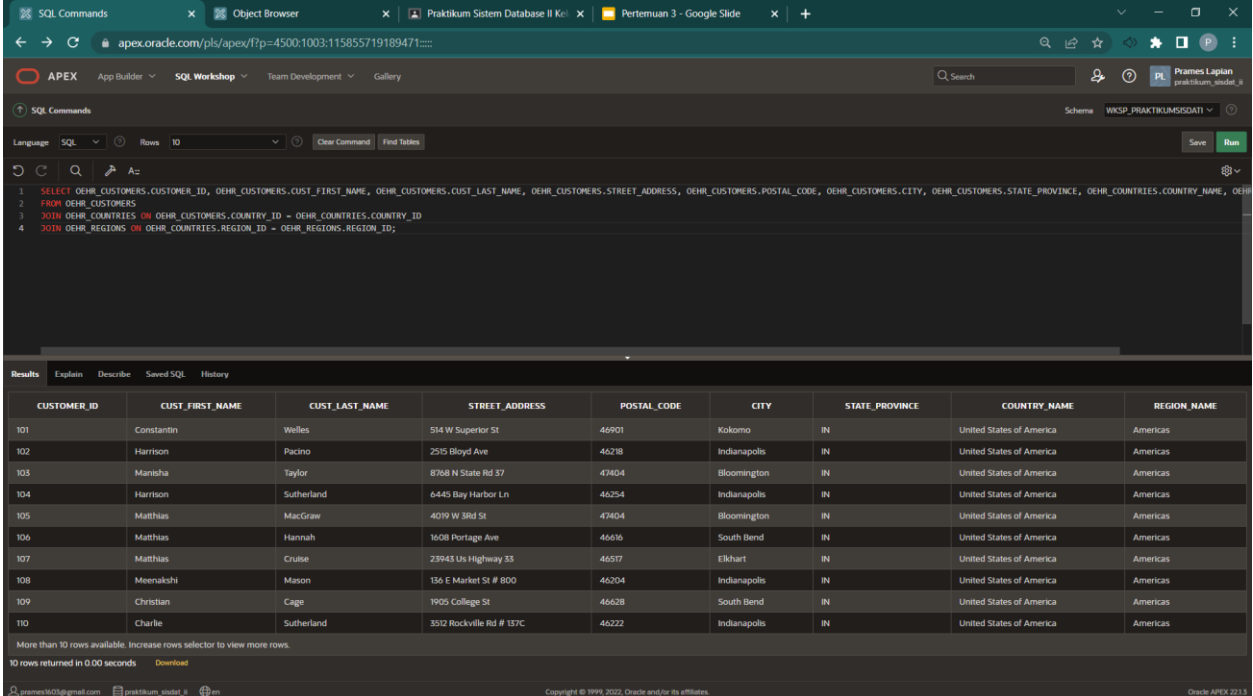
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**PROGRAM STUDI S-1 TEKNIK INFORMATIKA
FAKULTAS MATEMATIKA DAN ILMU PENGETAHUAN ALAM
UNIVERSITAS PADJADJARAN
JATINANGOR**

2022

1. Cari data customer beserta alamat, negara, dan region dimana customer tersebut tinggal.

```
SELECT OEHR_CUSTOMERS.CUSTOMER_ID,
       OEHR_CUSTOMERS.CUST_FIRST_NAME,
       OEHR_CUSTOMERS.CUST_LAST_NAME,
       OEHR_CUSTOMERS.STREET_ADDRESS,
       OEHR_CUSTOMERS.POSTAL_CODE, OEHR_CUSTOMERS.CITY,
       OEHR_CUSTOMERS.STATE_PROVINCE,
       OEHR_COUNTRIES.COUNTRY_NAME, OEHR_REGIONS.REGION_NAME
FROM OEHR_CUSTOMERS
JOIN OEHR_COUNTRIES ON OEHR_CUSTOMERS.COUNTRY_ID =
OEHR_COUNTRIES.COUNTRY_ID
JOIN OEHR_REGIONS ON OEHR_COUNTRIES.REGION_ID =
OEHR_REGIONS.REGION_ID;
```



The screenshot shows the Oracle APEX SQL Workshop interface. The SQL command window contains the following query:

```
1 SELECT OEHR_CUSTOMERS.CUSTOMER_ID, OEHR_CUSTOMERS.CUST_FIRST_NAME, OEHR_CUSTOMERS.CUST_LAST_NAME, OEHR_CUSTOMERS.STREET_ADDRESS, OEHR_CUSTOMERS.POSTAL_CODE, OEHR_CUSTOMERS.CITY, OEHR_CUSTOMERS.STATE_PROVINCE, OEHR_COUNTRIES.COUNTRY_NAME, OEHR_REGIONS.REGION_NAME
2 FROM OEHR_CUSTOMERS
3 JOIN OEHR_COUNTRIES ON OEHR_CUSTOMERS.COUNTRY_ID = OEHR_COUNTRIES.COUNTRY_ID
4 JOIN OEHR_REGIONS ON OEHR_COUNTRIES.REGION_ID = OEHR_REGIONS.REGION_ID;
```

The Results window displays the following data:

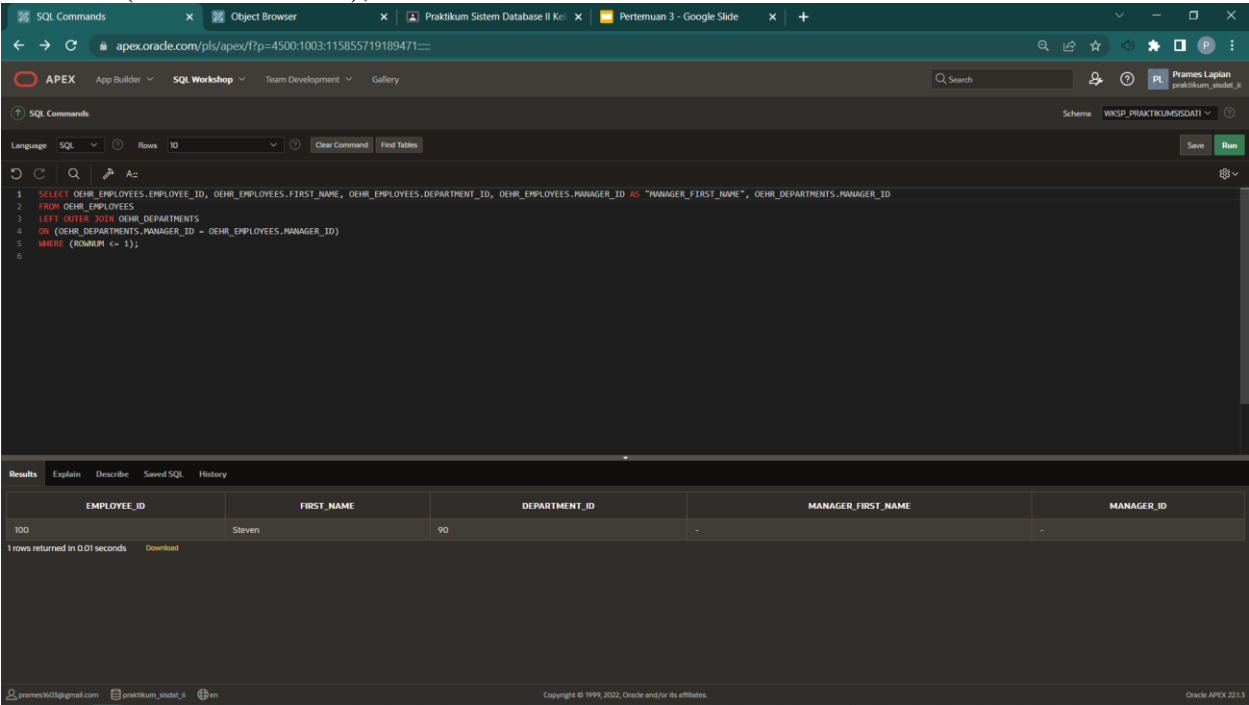
CUSTOMER_ID	CUST_FIRST_NAME	CUST_LAST_NAME	STREET_ADDRESS	POSTAL_CODE	CITY	STATE_PROVINCE	COUNTRY_NAME	REGION_NAME
101	Constantin	Welles	514 W Superior St	46901	Kokomo	IN	United States of America	Americas
102	Harrison	Pacino	2515 Bloyd Ave	46218	Indianapolis	IN	United States of America	Americas
103	Manisha	Taylor	8768 N State Rd 57	47404	Bloomington	IN	United States of America	Americas
104	Harrison	Sutherland	6445 Bay Harbor Ln	46234	Indianapolis	IN	United States of America	Americas
105	Matthias	MacGraw	4019 W 38th St	47404	Bloomington	IN	United States of America	Americas
106	Matthias	Hannah	1608 Portage Ave	46616	South Bend	IN	United States of America	Americas
107	Matthias	Cruise	23943 Us Highway 33	46577	Elkhart	IN	United States of America	Americas
108	Meenakshi	Mason	150 E Market St # 800	46204	Indianapolis	IN	United States of America	Americas
109	Christian	Cage	1905 College St	46628	South Bend	IN	United States of America	Americas
110	Charlie	Sutherland	3512 Rockville Rd # 137C	46222	Indianapolis	IN	United States of America	Americas

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

2. Cari karyawan/employee yang tidak memiliki manajer menggunakan metode outer join.

```
SELECT OEHR_EMPLOYEES.EMPLOYEE_ID,
       OEHR_EMPLOYEES.FIRST_NAME, OEHR_EMPLOYEES.DEPARTMENT_ID,
       OEHR_EMPLOYEES.MANAGER_ID AS "MANAGER_FIRST_NAME",
       OEHR_DEPARTMENTS.MANAGER_ID
FROM OEHR_EMPLOYEES
LEFT OUTER JOIN OEHR_DEPARTMENTS
ON (OEHR_DEPARTMENTS.MANAGER_ID =
OEHR_EMPLOYEES.MANAGER_ID)
```

WHERE (ROWNUM <= 1);



3. Hitung jumlah karyawan berdasarkan job_id
- ```
SELECT JOB_ID, COUNT(*)
FROM OEHR_EMPLOYEES
GROUP BY JOB_ID;
```

