Soal Latihan 13

Nama   : Made Baihaqi Aji Kumuda

NIM   : 152011513029

1. Code :

```
SELECT
a.JOB_ID, a.JOB_TITLE, MAX(b.salary) AS max_salary_029
FROM jobs a JOIN employees b USING (JOB_ID)
WHERE JOB_TITLE NOT LIKE 'REP'
GROUP BY JOB_ID
```

Hasil :

+ Options

JOB_ID	JOB_TITLE	max_salary_029
AC_ACCOUNT	Public Accountant	8300.00
AC_MGR	Accounting Manager	12000.00
AD_ASST	Administration Assistant	4400.00
AD_PRES	President	24000.00
AD_VP	Administration Vice President	17000.00
FI_ACCOUNT	Accountant	9000.00
FI_MGR	Finance Manager	12000.00
HR_REP	Human Resources Representative	6500.00
IT_PROG	Programmer	9000.00
MK_MAN	Marketing Manager	13000.00
MK_REP	Marketing Representative	6000.00
PR_REP	Public Relations Representative	10000.00
PU_CLERK	Purchasing Clerk	3100.00
PU_MAN	Purchasing Manager	11000.00
SA_MAN	Sales Manager	14000.00
SA_REP	Sales Representative	11500.00
SH_CLERK	Shipping Clerk	4200.00
ST_CLERK	Stock Clerk	3600.00
ST_MAN	Stock Manager	8200.00

2. Code :

```
SELECT a.department_id, a.department_name, MIN(b.HIRE_DATE) AS
min_hire_date_029, MAX(b.HIRE_DATE) AS max_hire_date_029

FROM departments a JOIN employees b USING (department_id)

GROUP BY department_id
```

Hasil :

department_id	department_name	min_hire_date_029	max_hire_date_029
20	Marketing	1996-02-17	1997-08-17
80	Sales	1996-01-30	2000-04-21
50	Shipping	1995-05-01	2000-03-08
30	Purchasing	1994-12-07	1999-08-10
100	Finance	1994-08-16	1999-12-07
70	Public Relations	1994-06-07	1994-06-07
40	Human Resources	1994-06-07	1994-06-07
110	Accounting	1994-06-07	1994-06-07
60	IT	1990-01-03	1999-02-07
10	Administration	1987-09-17	1987-09-17
90	Executive	1987-06-17	1993-01-13

3. Code :

```
SELECT

a.department_id, a.department_name, AVG(b.SALARY) AS rata_rata_029

FROM departments a JOIN employees b USING (department_id)

WHERE NOT department_id = 90 OR department_id = 100 OR department_id = 110

GROUP BY department_id

HAVING AVG(b.SALARY)>5000

ORDER BY AVG(b.SALARY) DESC
```

Hasil :

department_id	department_name	rata_rata_029
110	Accounting	10150.000000
70	Public Relations	10000.000000
20	Marketing	9500.000000
80	Sales	8955.882353
100	Finance	8600.000000
40	Human Resources	6500.000000
60	IT	5760.000000

4. Code :

```
SELECT a.job_id , a.job_title , AVG(b.salary) AS avg_029 , COUNT(b.employee_id)

FROM jobs a JOIN employees b

WHERE a.job_id = b.job_id

GROUP BY b.job_id

HAVING COUNT(b.employee_id) BETWEEN 5 AND 30 AND AVG(b.salary)>5000
```

Hasil :

job_id	job_title	avg_029	COUNT(b.employee_id)
FI_ACCOUNT	Accountant	7920.000000	5
IT_PROG	Programmer	5760.000000	5
SA_MAN	Sales Manager	12200.000000	5
SA_REP	Sales Representative	8350.000000	30
ST_MAN	Stock Manager	7280.000000	5

5. Code :

```
SELECT
b.CITY,
b.STATE_PROVINCE,
a.COUNTRY_NAME,
COUNT(d.EMPLOYEE_ID)AS sum_emp_029
FROM countries a JOIN locations b JOIN departments c JOIN employees d
WHERE a.COUNTRY_ID=b.COUNTRY_ID
AND b.LOCATION_ID=c.LOCATION_ID
AND c.DEPARTMENT_ID=d.DEPARTMENT_ID
AND b.STATE_PROVINCE IS NOT NULL
GROUP BY b.city
ORDER BY COUNT(d.employee_id) DESC
```

Hasil :

+ Options

CITY	STATE_PROVINCE	COUNTRY_NAME	sum_emp_029
South San Francisco	California	United States of America	45
Oxford	Oxford	United Kingdom	34
Seattle	Washington	United States of America	18
Southlake	Texas	United States of America	5
Toronto	Ontario	Canada	2
Munich	Bavaria	Germany	1