

NAMA : MOHAMAD RAGIL RAMADHAN

1. Buat sebuah query untuk menampilkan karyawan yang sudah bekerja selama 20 Tahun atau lebih. Tampilkan Nama Lengkap karyawan ,Nama Departemennya, dan berapa lama di perusahaan.

The screenshot shows the Microsoft SQL Server Management Studio interface. The query editor contains the following SQL code:

```
SELECT e.first_name + ' ' + e.last_name AS 'Full Name', d.department_name AS 'Department',  
DATEDIFF(yyyy, e.hire_date, '2024/02/04') AS 'Tahun Di Perusahaan'  
FROM hr.employees e  
JOIN hr.departments d  
ON e.Department_id = d.department_id  
  
SELECT c.country_name, AVG(e.SALARY) 'Rata2 Gaji'  
FROM hr.employees e  
JOIN hr.departments d ON e.DEPARTMENT_ID = d.DEPARTMENT_ID  
JOIN hr.locations l ON d.LOCATION_ID = l.LOCATION_ID  
JOIN hr.countries c ON l.COUNTRY_ID = c.COUNTRY_ID  
WHERE e.HIRE_DATE > '2000'  
GROUP BY c.country_name  
HAVING AVG(e.SALARY) > 6000  
ORDER BY AVG(e.SALARY) ASC
```

The Results pane shows the following data:

Full Name	Department	Tahun Di Perusahaan
Steven King	Executive	21
Neena Kochhar	Executive	19
Lex De Haan	Executive	23
Alexander Hunold	IT	18
Bruce Ernst	IT	17
David Austin	IT	19
Valli Palaballa	IT	18
Diana Lorentz	IT	17
Nancy Greenberg	Finance	22

The status bar at the bottom indicates "Query executed successfully." and "MSI (16.0 RTM) | MSI\ragil ramadhan (54) | db_hr | 00:00:00 | 106 rows".

2. Buat sebuah query untuk menampilkan rata-rata gaji karyawan yang di kelompokkan (Group By) berdasarkan Negara mereka, dan filter dengan Having() untuk menampilkan yang rata2 gajinya 6000\$, dan urutkan dari terbesar.

The screenshot shows the Microsoft SQL Server Management Studio interface. The query editor contains the following SQL code:

```
FROM hr.employees e  
JOIN hr.departments d  
ON e.Department_id = d.department_id  
  
SELECT c.country_name, AVG(e.SALARY) 'Rata2 Gaji'  
FROM hr.employees e  
JOIN hr.departments d ON e.DEPARTMENT_ID = d.DEPARTMENT_ID  
JOIN hr.locations l ON d.LOCATION_ID = l.LOCATION_ID  
JOIN hr.countries c ON l.COUNTRY_ID = c.COUNTRY_ID  
WHERE e.HIRE_DATE > '2000'  
GROUP BY c.country_name  
HAVING AVG(e.SALARY) > 6000  
ORDER BY AVG(e.SALARY) DESC
```

The Results pane shows the following data:

country_name	Rata2 Gaji
Germany	10000
Canada	9500
United Kingdom	8885

The status bar at the bottom indicates "Query executed successfully." and "MSI (16.0 RTM) | MSI\ragil ramadhan (54) | db_hr | 00:00:00 | 3 rows".

