

Tantangan Group BY & Having

Tabel Keaktifan

Nama	Score	Peran
Nur Rahmat Ramadan	3	Buat PDF
Ahmad Anugrah Satya	3	Buat Query sql
Muh Ardiansyah	3	Menemani
Raihan Juli Saputra	3	Ditemani

Tugas

1. AVG(Gaji) > 10.000

- A. WHERE
- B. HAVING
- C. GROUP BY

Jawaban

B. Having

Alasannya

Karena, *HAVING* digunakan untuk memfilter data *setelah* dikelompokkan

2. Gaji > 10.000

- A. WHERE
- B. HAVING
- C. GROUP BY

Jawaban

A. WHERE

Alasannya

Karena, *WHERE* digunakan untuk memfilter data *sebelum* dikelompokkan.

Tabel Football Player

```
MariaDB [football]> SELECT * FROM players;
```

id	name	club	nationality	goal	appearance
1	ammang	Barca	Brazil	900	10
2	fadhil	Munchen	Brazil	120	100
3	omfan	Madrid	Spanyol	901	900
4	harun	Madrid	Indonesia	110	5
5	angga	Arsenal	Spanyol	90	100

```
5 rows in set (0.001 sec)
```

Soal 1

1. pemain dengan goal > 100 dan kelompokkan berdasarkan kebangsaannya

Query



```
1 SELECT nationality, name, club, goal
2 -> FROM players
3 -> WHERE goal > 100
4 -> GROUP BY nationality, naem;
```

Hasil

```
MariaDB [football]> SELECT nationality, name, club, goal
-> FROM players
-> WHERE goal > 100
-> GROUP BY nationality, name;
```

nationality	name	club	goal
Brazil	ammang	Barca	900
Brazil	fadhil	Munchen	120
Indonesia	harun	Madrid	110
Spanyol	omfan	Madrid	901

```
4 rows in set (0.002 sec)
```

Soal 2

2. Rata-ratakan goal pemain dan kelompokkan berdasarkan klubnya

Query



```
1 SELECT club, AVG(goal) AS rata_rata_goal
2 -> FROM players
3 -> GROUP BY club;
```

Hasil

```
MariaDB [football]> SELECT club, AVG(goal) AS rata_rata_goal
-> FROM players
-> GROUP BY club;
+-----+-----+
| club   | rata_rata_goal |
+-----+-----+
| Arsenal | 90.0000        |
| Barca   | 900.0000       |
| Madrid  | 505.5000       |
| Munchen | 120.0000       |
+-----+-----+
4 rows in set (0.001 sec)
```

Soal 3

3. Pemain dengan goal rata-rata > 100 dan total tampil > 200, kelompokkan berdasarkan klubnya

Query



```
1 SELECT club, AVG(goal) AS rata_rata_goal, SUM(appearance) AS total_appearance FROM players
2 -> GROUP BY club
3 -> HAVING Rata_Rata_Goal > 100 AND total_appearance < 200;
```

Hasil

```
MariaDB [football]> SELECT club, AVG(goal) AS Rata_Rata_Goal, SUM(appearance) AS total_appearance FROM players
-> GROUP BY club
-> HAVING Rata_Rata_Goal > 100 AND total_appearance < 200;
+-----+-----+-----+
| club   | Rata_Rata_Goal | total_appearance |
+-----+-----+-----+
| Barca   | 900.0000       | 10               |
| Munchen | 120.0000       | 100              |
+-----+-----+-----+
2 rows in set (0.001 sec)
```