

1

1.AVG(gaji) > 10.000

jawaban

B.Having

alasannya

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

2.gaji > 10.000

jawaban

A.WHERE

alasannya

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

2

Tabel Pemain

```
MariaDB [company_fatur]> select * from pemain;
+----+-----+-----+-----+-----+-----+
| id | name   | club   | nationality | goal | appearance |
+----+-----+-----+-----+-----+-----+
| 1  | ammark | barca  | Brazil      | 900  | 10          |
| 2  | fadhil | Munchen | Brazil      | 120  | 100         |
| 3  | ompar  | madrid | spanyol     | 901  | 900         |
| 4  | harun  | madrid | indonesia   | 110  | 5           |
| 5  | angga  | arsenal | spanyol     | 90   | 100         |
+----+-----+-----+-----+-----+-----+
5 rows in set (0.001 sec)

MariaDB [company_fatur]> |
```

Soal

1.pemain dengan goal > 100 dan kelompokkan berdasarkan kebangsaannya

Query

```
SELECT nationality, name, goal
FROM pemain
WHERE goal > 100
GROUP BY nationality, name, goal;
```

Hasil

```
MariaDB [company_fatur]> select * from pemain;
+-----+-----+-----+-----+-----+-----+
| id | name | club | nationality | goal | appearance |
+-----+-----+-----+-----+-----+-----+
| 1 | amman | barca | Brazil | 900 | 10 |
| 2 | fadhil | Munchen | Brazil | 120 | 100 |
| 3 | ompar | madrid | spanyol | 901 | 900 |
| 4 | harun | madrid | indonesia | 110 | 5 |
| 5 | angga | arsenal | spanyol | 90 | 100 |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.001 sec)

MariaDB [company_fatur]> SELECT nationality, name, goal
-> FROM pemain
-> WHERE goal > 100
-> GROUP BY nationality, name, goal;
+-----+-----+-----+
| nationality | name | goal |
+-----+-----+-----+
| Brazil | amman | 900 |
| Brazil | fadhil | 120 |
| indonesia | harun | 110 |
| spanyol | ompar | 901 |
+-----+-----+-----+
4 rows in set (0.000 sec)
```

2. Rata-ratakan goal pemain dan kelompokkan berdasarkan klubnya

Query

```
SELECT club, AVG(goal) AS average_goal
FROM pemain
GROUP BY club;
```

Hasil

```
MariaDB [company_fatur]> SELECT club, AVG(goal) AS average_goal
-> FROM pemain
-> GROUP BY club;
+-----+-----+
| club   | average_goal |
+-----+-----+
| arsenal |      90.0000 |
| barca   |     900.0000 |
| madrid  |     505.5000 |
| Munchen |     120.0000 |
+-----+-----+
4 rows in set (0.001 sec)

MariaDB [company_fatur]> |
```

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

Query

```
SELECT club, name, AVG(goal) AS average_goal, SUM(appearance) AS
total_appearance
FROM pemain
GROUP BY club, name
HAVING AVG(goal) > 100 AND SUM(appearance) > 200;
```

Hasil

```
MariaDB [company_fatur]> SELECT club, name, AVG(goal) AS average_goal, SUM(appearance) AS total_appearance
-> FROM pemain
-> GROUP BY club, name
-> HAVING AVG(goal) > 100 AND SUM(appearance) > 200;
+-----+-----+-----+-----+
| club | name | average_goal | total_appearance |
+-----+-----+-----+-----+
| madrid | ompar |      901.0000 |           900 |
+-----+-----+-----+-----+
1 row in set (0.001 sec)

MariaDB [company_fatur]> |
```