

## UJIAN TENGAH SEMESTER



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Jawaban – jawaban

**1.)**

- Subquery adalah query (perintah SQL) yang berada di dalam query lain. Biasanya digunakan untuk mengambil data berdasarkan hasil dari query lain.
- View adalah virtual table (tabel semu) yang menyimpan query SQL. Bukan data asli, tapi hasil dari query yang bisa digunakan seperti tabel biasa.
- Index adalah struktur data tambahan untuk mempercepat proses pencarian atau query pada tabel.
- Function di MySQL adalah blok kode SQL yang dapat dikembalikan sebagai hasil tunggal dan bisa dipanggil dalam query.
- Trigger adalah prosedur otomatis yang dijalankan (dipicu) oleh event tertentu seperti `INSERT`, `UPDATE`, atau `DELETE`

2.)

```
MariaDB [a112315368]> create view data_pegawai AS SELECT nip,nama,gapok FROM pegawai WHERE gapok >400000;
Query OK, 0 rows affected (0.04 sec)

MariaDB [a112315368]> select * from pegawai
-> ;
+-----+-----+-----+-----+-----+-----+-----+-----+
| nip | nama | kota | bagian | gapok | tunjagan | potongan | gaber |
+-----+-----+-----+-----+-----+-----+-----+
| A001 | Fahri | Kudus | tukang cukur | 10000000 | 2000000 | 500000 | 11230000 |
| A002 | Alif | Semarang | Developer | 1100000000 | 4000000 | 50000000 | 12300000 |
| A003 | Abid | Palu | Pedagang | 110000000 | 7000000 | 150000000 | 14500000 |
| A004 | Raka | Jepara | kantoran | 800000 | 10000000 | 11110000 | 16770000 |
+-----+-----+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)

MariaDB [a112315368]> select * from data_pegawai;
+-----+-----+-----+
| nip | nama | gapok |
+-----+-----+-----+
| A001 | Fahri | 10000000 |
| A002 | Alif | 1100000000 |
| A003 | Abid | 110000000 |
| A004 | Raka | 800000 |
+-----+-----+-----+
4 rows in set (0.00 sec)
```

3.)

```
MariaDB [a112315368]> select * from data_pegawai;
+-----+-----+-----+
| nip | nama | gapok |
+-----+-----+-----+
| A001 | Fahri | 10000000 |
| A002 | Alif | 1100000000 |
| A003 | Abid | 110000000 |
| A004 | Raka | 800000 |
+-----+-----+-----+
4 rows in set (0.00 sec)
```

4.)

```
MariaDB [a112315368]> CALL editdata(10000000,15000000)//
+-----+-----+-----+-----+-----+-----+-----+
| nip | nama | kota | bagian | gapok | tunjagan | potongan | gaber |
+-----+-----+-----+-----+-----+-----+-----+
| A001 | Fahri | Kudus | tukang cukur | 15000000 | 2000000 | 500000 | 11230000 |
+-----+-----+-----+-----+-----+-----+-----+
1 row in set (0.03 sec)

Query OK, 0 rows affected (0.03 sec)

MariaDB [a112315368]>
```



5.)

```
MariaDB [a112315368]> update pegawai set potongan = 700000 where nip = 'A001'//
Query OK, 1 row affected (0.04 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [a112315368]> select * from pegawai//
+-----+-----+-----+-----+-----+-----+-----+-----+
| nip | nama | kota | bagian | gapok | tunjagan | potongan | gaber |
+-----+-----+-----+-----+-----+-----+-----+-----+
| A001 | Fahri | Kudus | tukang cukur | 15000000 | 2000000 | 700000 | 16300000 |
| A002 | Alif | Semarang | Developer | 11000000000 | 4000000 | 50000000 | 12300000 |
| A003 | Abid | Palu | Pedagang | 1100000000 | 7000000 | 150000000 | 14500000 |
| A004 | Raka | Jepara | kantoran | 800000 | 10000000 | 11110000 | 167700000 |
+-----+-----+-----+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)

MariaDB [a112315368]> █
```

