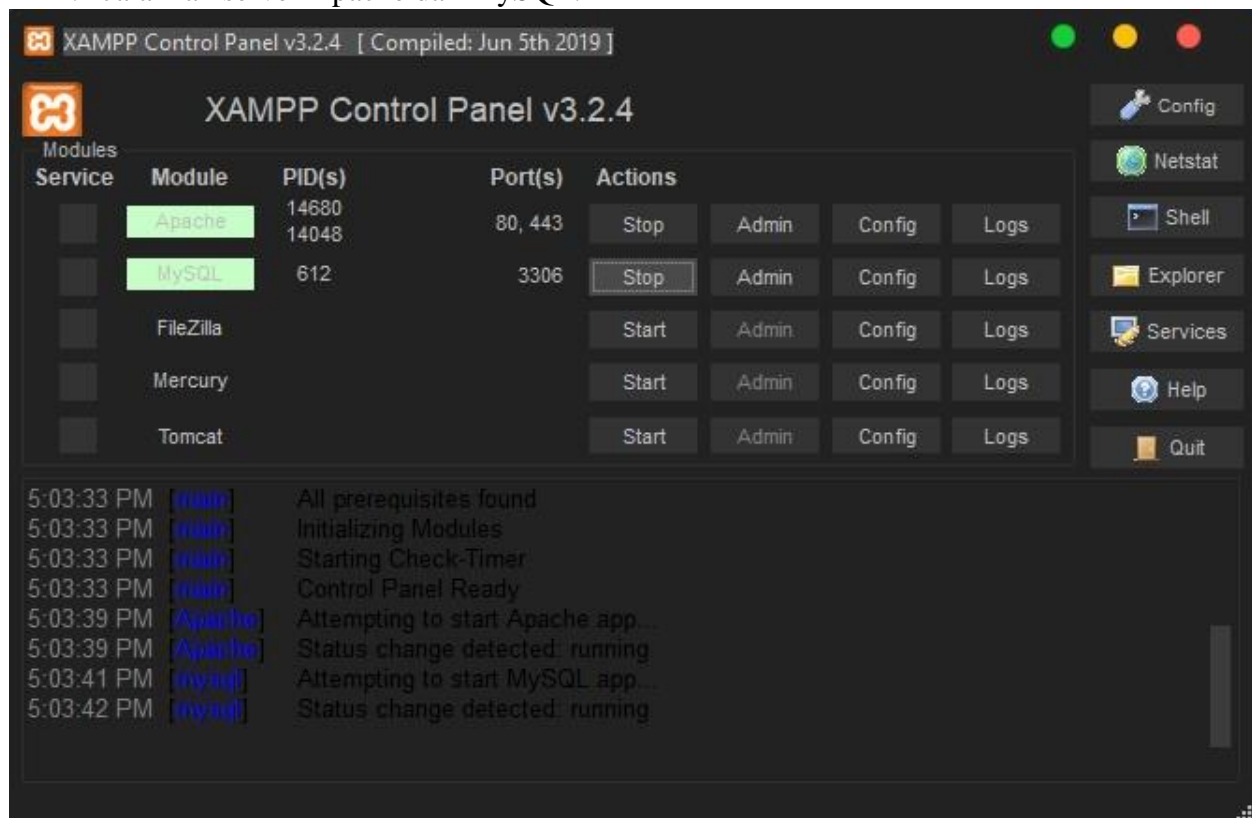Nama : Nur Taufiq Hidayat
NIM : L200180069
Kelas : C

TUGAS MODUL 5

1. Jalankan XAMPP Control Panel.
2. Jalankan server Apache dan MySQL.

3. Buka Command Prompt dan login sebagai root ke MySQL seperti di Modul 1.

4. Pilih database universitas dengan perintah 'use tugasm4;'. Sehingga akan muncul pemberitahuan "database changed".

5. Memasukkan data ke dalam database universitas.
   - Tabel mahasiswa

   - Tabel dosen

```
MariaDB [tugasm4]> INSERT INTO dosen(nip_dosen, nama_dosen) VALUES
    -> ('101', 'Husni Thamrin, Dr., S.T., M.T.'),
    -> ('102', 'Azizah Fatmawati, S.T.'),
    -> ('103', 'Ihsan Cahyo Utomo, S.Kom., M.Kom.'),
    -> ('104', 'Fatah Yasin Al Irsyadi, S.T., M.T.'),
    -> ('105', 'Aris Rakhmadi, S.T., M.Eng.'),
    -> ('106', 'Devi Afriyanti Puspa Putri, S.Kom., M.Sc.'),
    -> ('107', 'Dimas Aryo Anggoro, S.Kom., M.Sc.'),
    -> ('108', 'Endah Sudarmilah, Dr., S.T., M.Eng.'),
    -> ('109', 'Yogiek Indra Kurniawan, S.T., M.T.'),
    -> ('110', 'Dyah Priyawati, S.T.');
Query OK, 10 rows affected (0.110 sec)
Records: 10  Duplicates: 0  Warnings: 0

MariaDB [tugasm4]> select * from dosen;
+-----------+--------------------------------------------+
| nip_dosen | nama_dosen                                 |
+-----------+--------------------------------------------+
|       105 | Aris Rakhmadi, S.T., M.Eng.                |
|       102 | Azizah Fatmawati, S.T.                     |
|       106 | Devi Afriyanti Puspa Putri, S.Kom., M.Sc.  |
|       107 | Dimas Aryo Anggoro, S.Kom., M.Sc.          |
|       110 | Dyah Priyawati, S.T.                       |
|       108 | Endah Sudarmilah, Dr., S.T., M.Eng.        |
|       104 | Fatah Yasin Al Irsyadi, S.T., M.T.         |
|       101 | Husni Thamrin, Dr., S.T., M.T.             |
|       103 | Ihsan Cahyo Utomo, S.Kom., M.Kom.          |
|       109 | Yogiek Indra Kurniawan, S.T., M.T.         |
+-----------+--------------------------------------------+
10 rows in set (0.001 sec)
```

- Tabel matakuliah

```
MariaDB [tugasm4]> INSERT INTO matakuliah(kode_mk, kode_ruangFK, nip_dosenFK, nama_mk, smt_mk) VALUES
    -> ('IF401', 0407, 101, 'Algoritma dan Struktur Data', 4),
    -> ('IF402', 0410, 107, 'Sistem Basis Data', 4),
    -> ('IF408', 0311, 103, 'Praktikum Jaringan Komputer', 4),
    -> ('IF104', 0102, 109, 'Pemrograman Web Statis', 1),
    -> ('IF302', 0408, 105, 'Matematika Diskret', 3),
    -> ('IF505', 0408, 110, 'Probabilitas dan Statistik', 5),
    -> ('IF102', 0102, 108, 'Kalkulus', 1),
    -> ('IF203', 0410, 102, 'Sistem Informasi', 2),
    -> ('IF307', 0410, 106, 'Komunikasi Data', 3),
    -> ('IF201', 0407, 104, 'Sistem Digital', 2);
Query OK, 10 rows affected (0.193 sec)
Records: 10  Duplicates: 0  Warnings: 0

MariaDB [tugasm4]> select * from matakuliah;
+---------+--------------+-------------+-----------------------------+--------+
| kode_mk | kode_ruangFK | nip_dosenFK | nama_mk                     | smt_mk |
+---------+--------------+-------------+-----------------------------+--------+
| IF102   |          102 |         108 | Kalkulus                    |      1 |
| IF104   |          102 |         109 | Pemrograman Web Statis      |      1 |
| IF201   |          407 |         104 | Sistem Digital              |      2 |
| IF203   |          410 |         102 | Sistem Informasi            |      2 |
| IF302   |          408 |         105 | Matematika Diskret          |      3 |
| IF307   |          410 |         106 | Komunikasi Data             |      3 |
| IF401   |          407 |         101 | Algoritma dan Struktur Data |      4 |
| IF402   |          410 |         107 | Sistem Basis Data           |      4 |
| IF408   |          311 |         103 | Praktikum Jaringan Komputer |      4 |
| IF505   |          408 |         110 | Probabilitas dan Statistik  |      5 |
+---------+--------------+-------------+-----------------------------+--------+
10 rows in set (0.000 sec)
```

- Tabel ruangkelas

```
MariaDB [tugasm4]> INSERT INTO ruangkelas(kode_ruang, nama_ruang) VALUES
    -> (0407, 'J0407'),
    -> (0408, 'J0408'),
    -> (0410, 'J0410'),
    -> (0311, 'LABRPL'),
    -> (0312, 'LABJAR'),
    -> (0313, 'LABSI'),
    -> (0403, 'J0403'),
    -> (0305, 'J0305'),
    -> (0101, 'JSEM Barat'),
    -> (0102, 'JSEM Timur');
Query OK, 10 rows affected (3.426 sec)
Records: 10  Duplicates: 0  Warnings: 0

MariaDB [tugasm4]> select * from ruangkelas;
+------------+------------+
| kode_ruang | nama_ruang |
+------------+------------+
|        305 | J0305      |
|        403 | J0403      |
|        407 | J0407      |
|        408 | J0408      |
|        410 | J0410      |
|        101 | JSEM Barat |
|        102 | JSEM Timur |
|        312 | LABJAR     |
|        311 | LABRPL     |
|        313 | LABSI      |
+------------+------------+
10 rows in set (0.001 sec)
```

- Tabel mahasiswa_has_matakuliah

```
MariaDB [tugasm4]> INSERT INTO mahasiswa_has_matakuliah(nim_mhsFK, kode_mkFK) VALUES
    -> ('L200180065', 'IF104'),
    -> ('L200180088', 'IF201'),
    -> ('L200180079', 'IF302'),
    -> ('L200180058', 'IF307'),
    -> ('L200180069', 'IF408'),
    -> ('L200180074', 'IF402'),
    -> ('L200180078', 'IF401'),
    -> ('L200180084', 'IF203'),
    -> ('L200180066', 'IF102'),
    -> ('L200180087', 'IF505'),
    -> ('L200180065', 'IF203'),
    -> ('l200180058', 'IF408'),
    -> ('L200180079', 'IF402'),
    -> ('L200180074', 'IF408'),
    -> ('L200180087', 'IF102'),
    -> ('L200180066', 'IF505'),
    -> ('l200180078', 'IF104'),
    -> ('L200180084', 'IF302'),
    -> ('L200180088', 'IF402'),
    -> ('L200180069', 'IF307');
Query OK, 20 rows affected (0.185 sec)
Records: 20  Duplicates: 0  Warnings: 0
```

```
MariaDB [tugasm4]> select * from mahasiswa_has_matakuliah;
+------------+----------+
| nim_mhsFK  | kode_mkFK |
+------------+----------+
| L200180058 | IF307    |
| l200180058 | IF408    |
| L200180065 | IF104    |
| L200180065 | IF203    |
| L200180066 | IF102    |
| L200180066 | IF505    |
| L200180069 | IF307    |
| L200180069 | IF408    |
| L200180074 | IF402    |
| L200180074 | IF408    |
| l200180078 | IF104    |
| L200180078 | IF401    |
| L200180079 | IF302    |
| L200180079 | IF402    |
| L200180084 | IF203    |
| L200180084 | IF302    |
| L200180087 | IF102    |
| L200180087 | IF505    |
| L200180088 | IF201    |
| L200180088 | IF402    |
+------------+----------+
20 rows in set (0.001 sec)
```