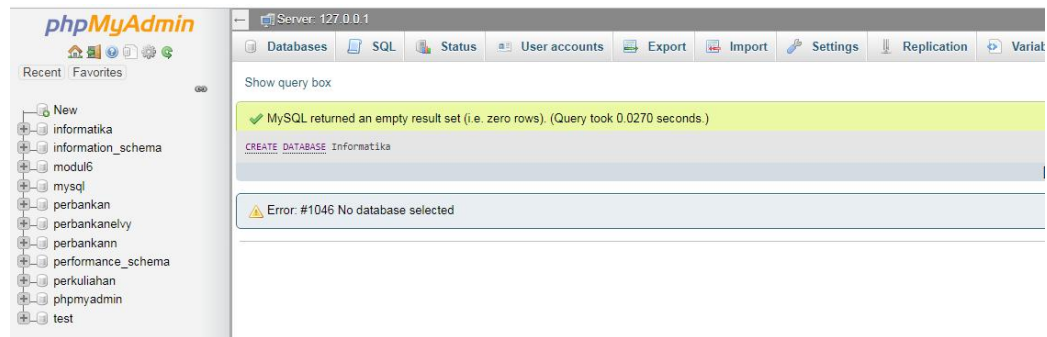


Nama : Angieta Putri Wahendra
NIM : L200170096
Kelas : D
Modul : 4

KEGIATAN

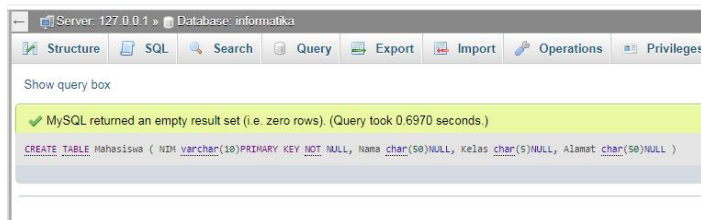
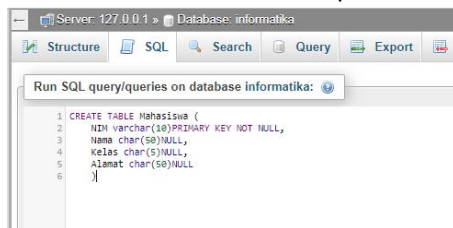
1. Percobaan 1 (Membuat Database)

Membuat Database Informatika



2. Percobaan 2 (Membuat Tabel)

Membuat tabel mahasiswa pada database informatika dengan kolom NIM, Nama, Kelas, Alamat.



Server: 127.0.0.1 » Database: informatika » Table: mahasiswa

Table structure

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	NIM	varchar(10)	latin1_swedish_ci		No	None			Change Drop More
2	Nama	char(50)	latin1_swedish_ci		Yes	NULL			Change Drop More
3	Kelas	char(5)	latin1_swedish_ci		Yes	NULL			Change Drop More
4	Alamat	char(50)	latin1_swedish_ci		Yes	NULL			Change Drop More

Indexes

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY		BTREE	Yes	No	NIM	0	A	No	

3. Percobaan 3 (Memasukkan Data)

Memasukkan data bernama Ari Wibowo ke dalam tabel Mahasiswa

Run SQL query/queries on table informatika.mahasiswa:

```
1 INSERT INTO Mahasiswa VALUES ('L200000001', 'Ari Wibowo', 'A', 'Solo')
```

Server: 127.0.0.1 » Database: informatika » Table: mahasiswa

Show query box

✓ 1 row inserted. (Query took 0.0750 seconds.)

```
INSERT INTO Mahasiswa VALUES ('L200000001', 'Ari Wibowo', 'A', 'Solo')
```

Melihat semua data pada tabel mahasiswa

Server: 127.0.0.1 » Database: informatika » Table: mahasiswa

Run SQL query/queries on table informatika.mahasiswa:

```
1 SELECT * FROM mahasiswa
```

Hasil pada tabel Mahasiswa

Server: 127.0.0.1 » Database: informatika » Table: mahasiswa

Buttons: Browse, Structure, SQL, Search, Insert, Export, Import

Show query box

Showing rows 0 - 0 (1 total, Query took 0.0010 seconds.)

```
SELECT * FROM mahasiswa
```

Number of rows: 25 Filter rows: Search this table

NIM	Nama	Kelas	Alamat
L200080001	Ani Wibowo	A	Solo

Query results operations

Memasukkan data kedalam tabel Mahasiswa

Server: 127.0.0.1 » Database: informatika » Table: mahasiswa

Buttons: Browse, Structure, SQL, Search, Insert, Export

Run SQL query/queries on table informatika.mahasiswa:

```
1 INSERT INTO Mahasiswa (NIM, Nama, Kelas)
2 VALUES ('L200080000', 'Agustina', 'B')
```

Server: 127.0.0.1 » Database: informatika » Table: mahasiswa

Buttons: Browse, Structure, SQL, Search, Insert, Export

Show query box

1 row inserted. (Query took 0.3440 seconds.)

```
INSERT INTO Mahasiswa (NIM, Nama, Kelas) VALUES ('L200080000', 'Agustina', 'B')
```

Melihat data pada tabel mahasiswa

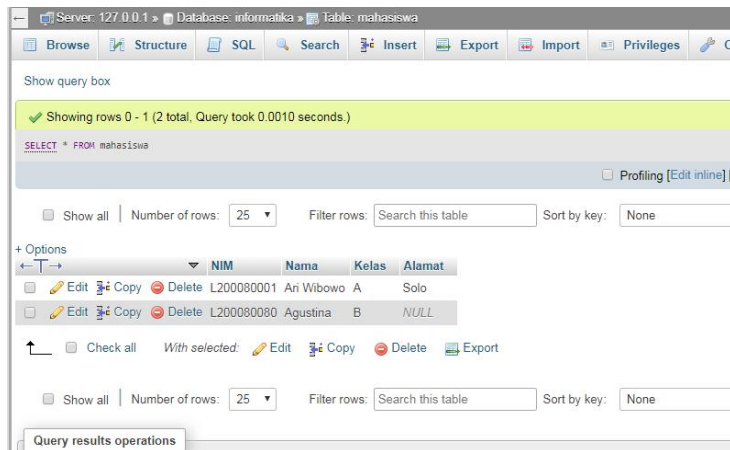
Server: 127.0.0.1 » Database: informatika » Table: mahasiswa

Buttons: Browse, Structure, SQL, Search, Insert, Export

Run SQL query/queries on table informatika.mahasiswa:

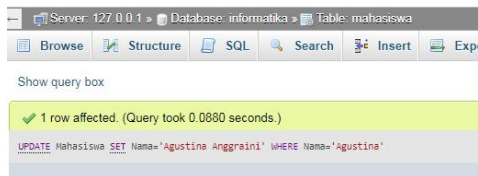
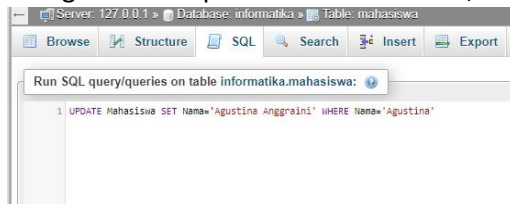
```
1 SELECT * FROM mahasiswa
```

Hasil dri tabel mahasiswa



4. Percobaan 4 (Mengubah Data)

Mengubah data pada tabel mahasiswa, dimana nama “Agustina” menjadi “Agustina Anggraini”



Melihat data pada tabel mahasiswa



Hasil dari Tabel Mahasiswa

Server: 127.0.0.1 » Database: informatika » Table: mahasiswa

Browse Structure SQL Search Insert Export Import Privileges Operations

Show query box

Showing rows 0 - 1 (2 total. Query took 0.0010 seconds.)

SELECT * FROM mahasiswa

Profiling [Edit inline] [Edit]

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

	NIM	Nama	Kelas	Alamat
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	L200080001	Ari Wibowo	A	Solo
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	L200080080	Agustina Anggraini	B	NULL

Check all | With selected: Edit Copy Delete Export

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

JOIN

Filters

Containing the word:

Table	Action	Rows	Type	Collation	Size	Overhead
mahasiswa	<input type="checkbox"/> Browse <input type="checkbox"/> Structure <input type="checkbox"/> Search <input type="checkbox"/> Insert <input type="checkbox"/> Empty <input type="checkbox"/> Drop	2	InnoDB	latin1_swedish_ci	16 KiB	-
1 table	Sum	2	InnoDB	latin1_swedish_ci	16 KiB	0 B

Check all | With selected:

Print Data dictionary

Server: 127.0.0.1 » Database: informatika » Table: Nilai

Table name: Nilai Add 1 column(s) Go

Name	Type	Length/Values	Default	Collation	Attributes	Null	Index
NIM	VARCHAR	10	None			<input type="checkbox"/>	PRIMARY
Nama_MK	VARCHAR	20	None			<input type="checkbox"/>	---
Nilai_Angka	INT	5	None			<input type="checkbox"/>	---
Nilai_Huruf	VARCHAR	2	None			<input type="checkbox"/>	---

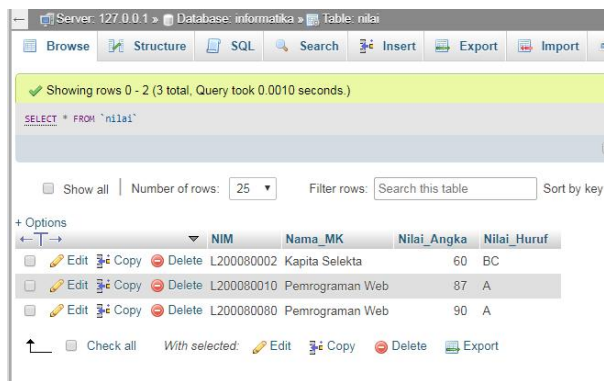
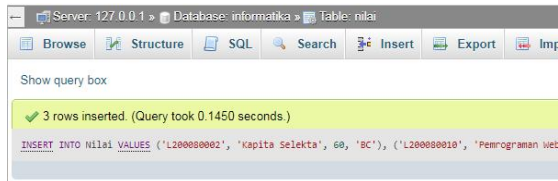
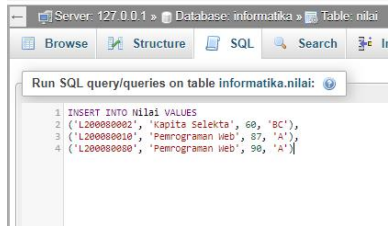
Server: 127.0.0.1 » Database: informatika » Table: Nilai

Table structure Relation view

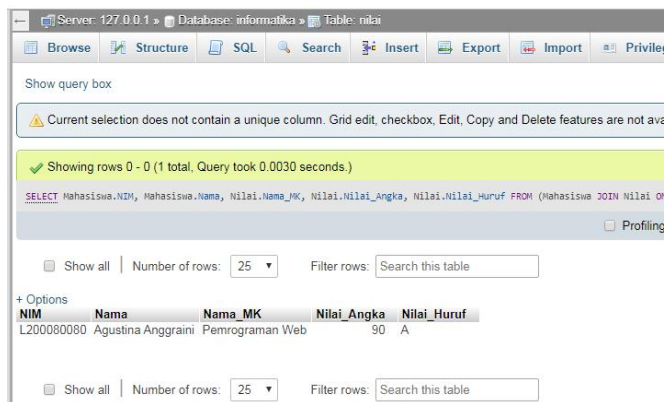
#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	NIM	varchar(10)	latin1_swedish_ci		No	None			<input type="checkbox"/> Change <input type="checkbox"/> Drop <input type="checkbox"/> More
2	Nama_MK	varchar(20)	latin1_swedish_ci		No	None			<input type="checkbox"/> Change <input type="checkbox"/> Drop <input type="checkbox"/> More
3	Nilai_Angka	int(5)			No	None			<input type="checkbox"/> Change <input type="checkbox"/> Drop <input type="checkbox"/> More
4	Nilai_Huruf	varchar(2)	latin1_swedish_ci		No	None			<input type="checkbox"/> Change <input type="checkbox"/> Drop <input type="checkbox"/> More

Check all | With selected: Browse Change Drop Primary Unique Index Fulltext

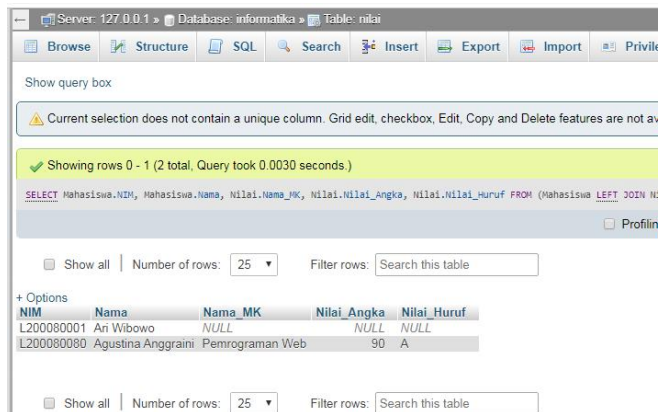
Remove from central columns



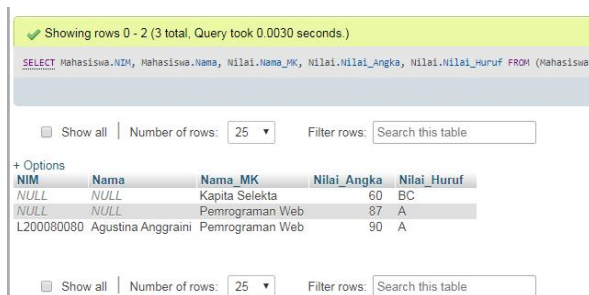
5. Percobaan 5 (Join)



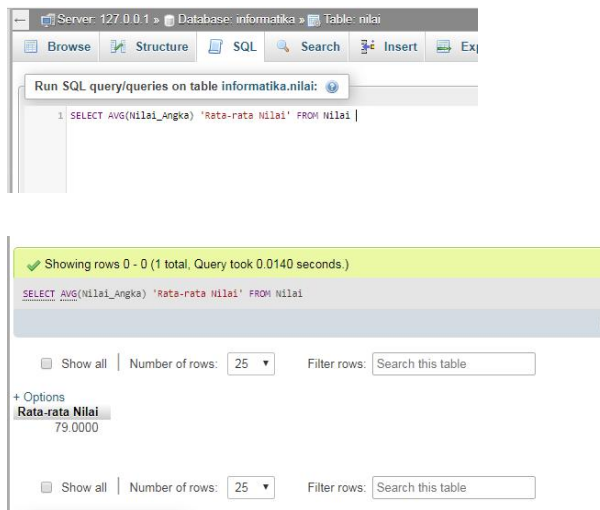
6. Percobaan 6 (Left Join)



7. Percobaan 7 (Right Join)



8. Percobaan 8 (Fungsi AVG)



Server: 127.0.0.1 » Database: informatika » Table: nilai

Run SQL query/queries on table informatika.nilai:

```
1 SELECT AVG(nilai_angka) 'Rata-rata Nilai' FROM nilai |
```

Showing rows 0 - 0 (1 total, Query took 0.0140 seconds.)

```
SELECT AVG(nilai_angka) 'Rata-rata Nilai' FROM nilai
```

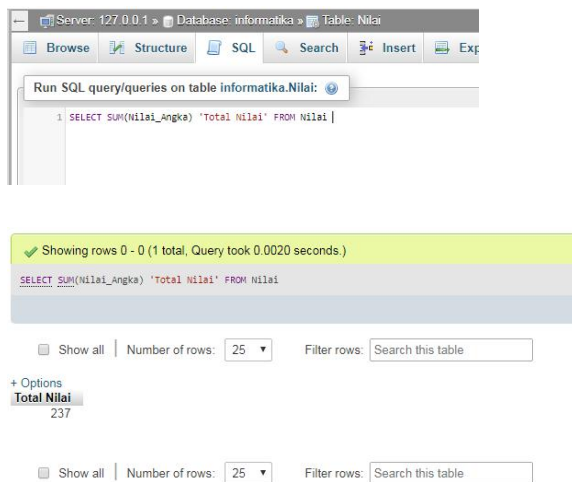
Show all | Number of rows: 25 | Filter rows: Search this table

+ Options

Rata-rata Nilai
79.0000

Show all | Number of rows: 25 | Filter rows: Search this table

9. Percobaan 9 (Fungsi SUM)



Server: 127.0.0.1 » Database: informatika » Table: Nilai

Run SQL query/queries on table informatika.Nilai:

```
1 SELECT SUM(nilai_angka) 'Total Nilai' FROM Nilai |
```

Showing rows 0 - 0 (1 total, Query took 0.0020 seconds.)

```
SELECT SUM(nilai_angka) 'Total Nilai' FROM Nilai
```

Show all | Number of rows: 25 | Filter rows: Search this table

+ Options

Total Nilai
237

Show all | Number of rows: 25 | Filter rows: Search this table

10. Percobaan 10 (View)



Server: 127.0.0.1 » Database: informatika » Table: Nilai

Run SQL query/queries on table informatika.Nilai:

```
1 CREATE VIEW KHS AS SELECT mahasiswa.NIM, Nilai.nama_mk, Nilai.nilai_angka, Nilai.nilai_huruf FROM (mahasiswa INNER JOIN Nilai ON mahasiswa.NIM=Nilai.NIM)
```