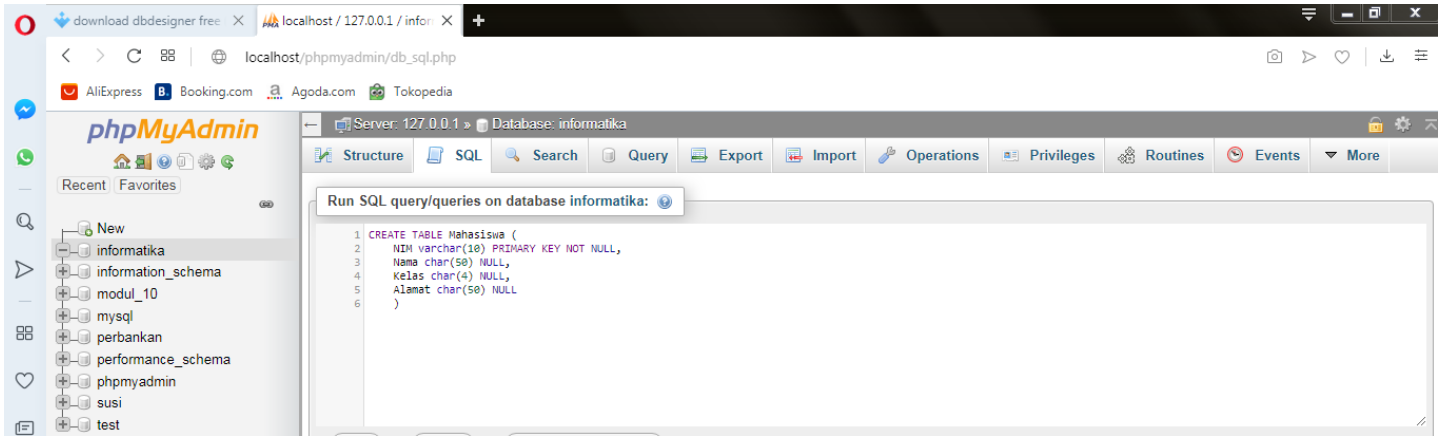


Nama : Alvian Harisnur
NIM : L200170132
Kelas : B

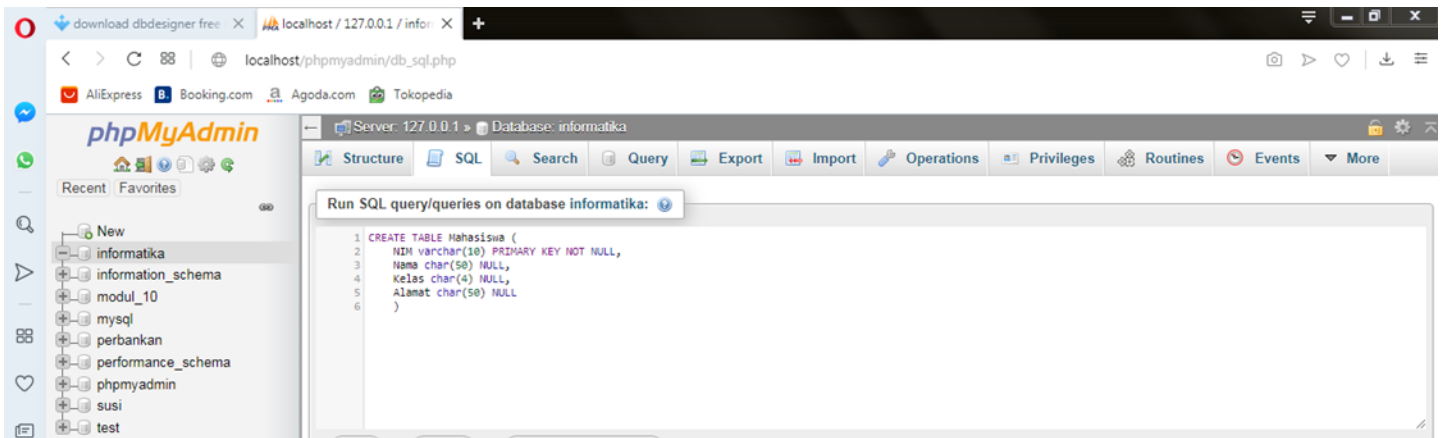
Modul 4

Percobaan

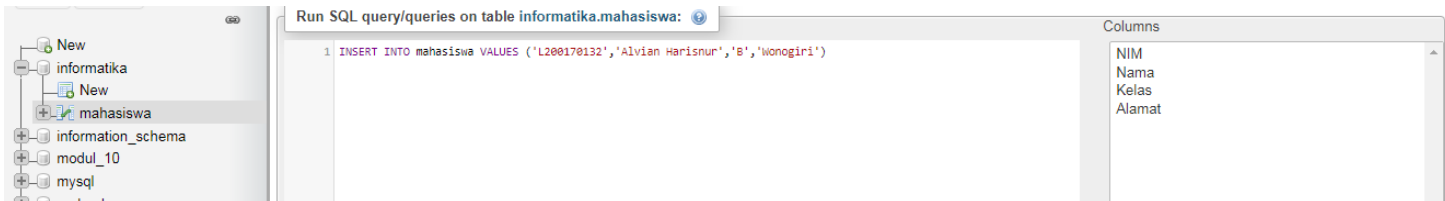
1. Membuat Database

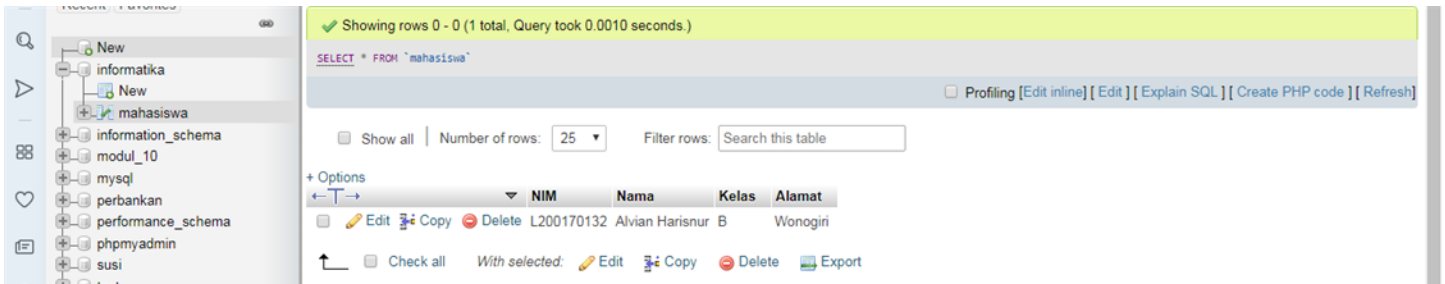


2. Membuat Tabel

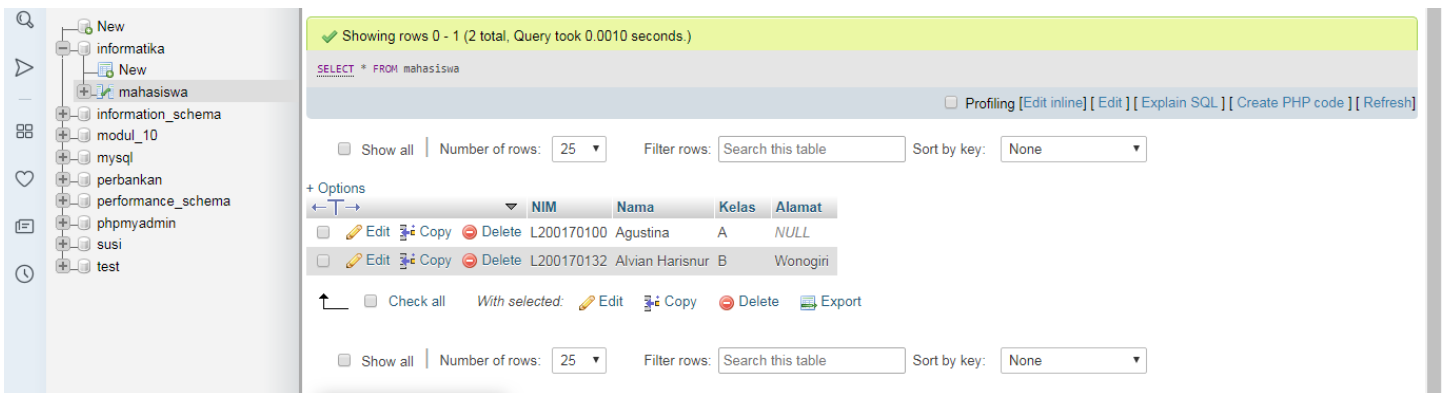
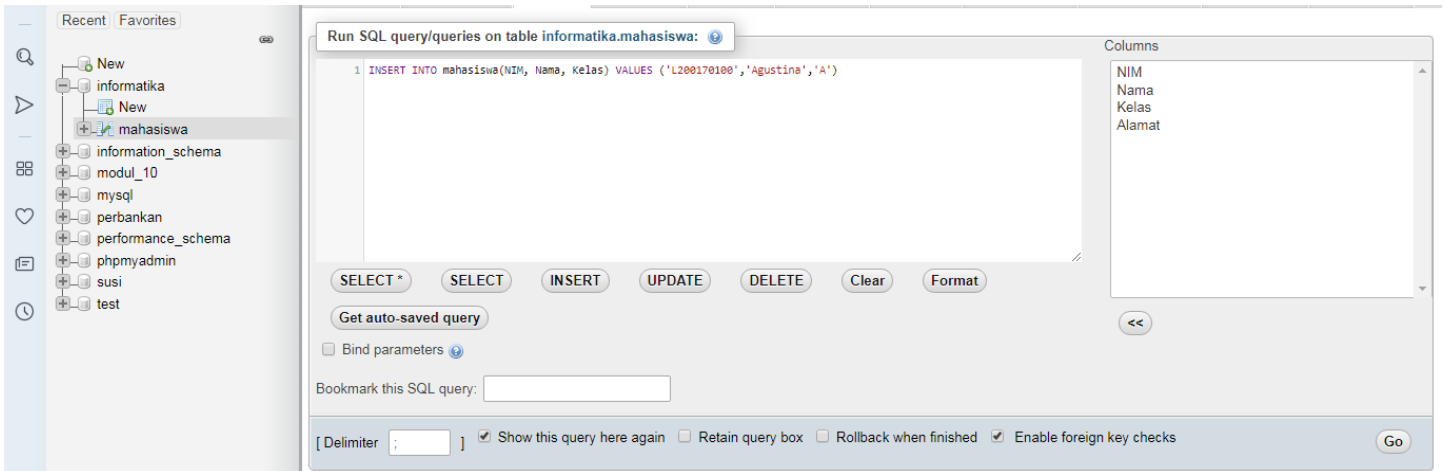


3. Mengisi data

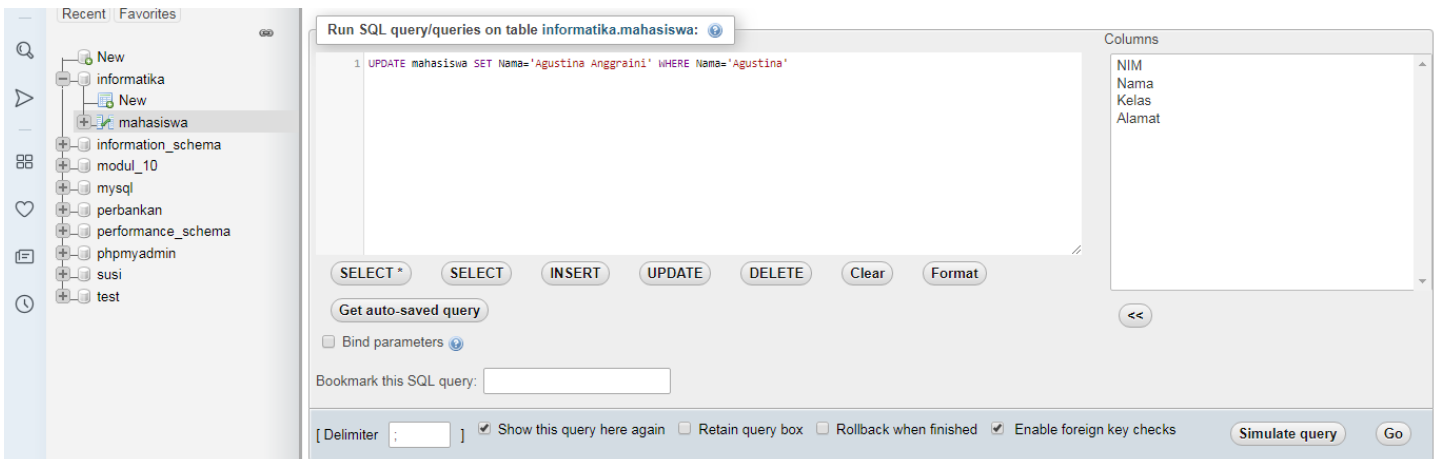


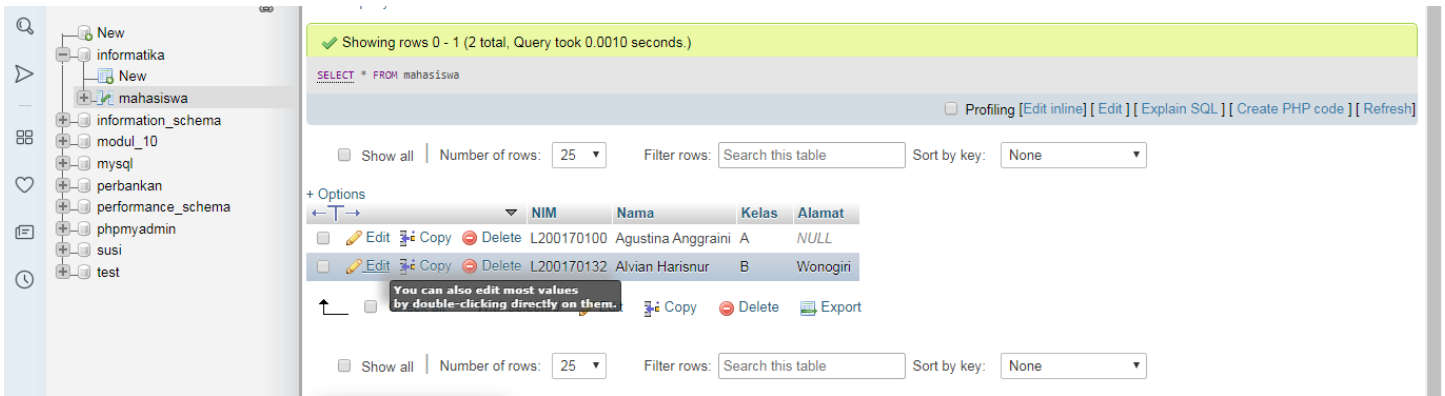


Mengisi data kedua



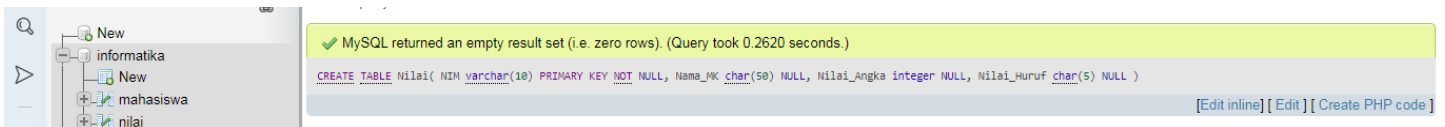
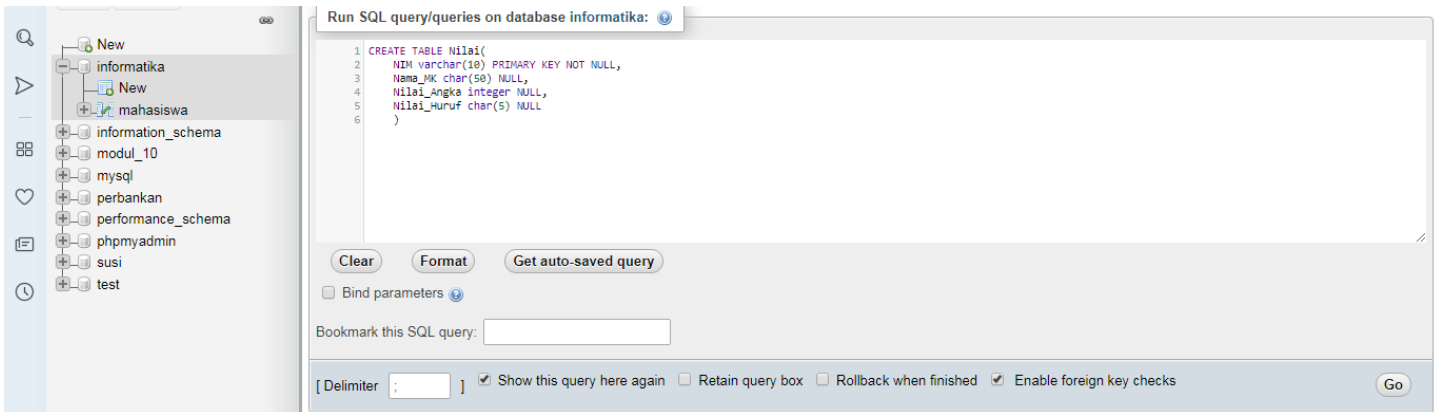
4. Mengubah Data



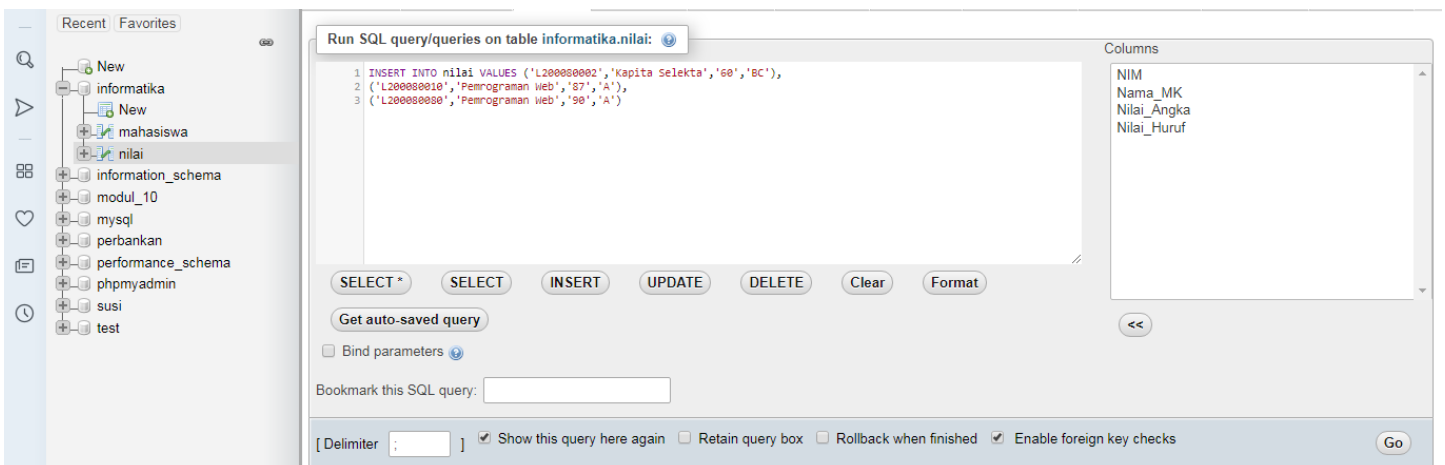


5. Join

Membuat table nilai



Memasukkan data pada table nilai



Pengaplikasian Join

New

informatika

New

mahasiswa

nilai

information_schema

modul_10

mysql

perbankan

performance_schema

phpmyadmin

susi

test

Showing rows 0 - 0 (1 total, Query took 0.0030 seconds.)

SELECT mahasiswa.NIM, mahasiswa>Nama, nilai>Nama_MK, nilai.Nilai_Angka, nilai.Nilai_Huruf FROM (mahasiswa JOIN nilai ON mahasiswa.NIM=nilai.NIM)

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all

Number of rows: 25

Filter rows: Search this table

+ Options

NIM	Nama	Nama_MK	Nilai_Angka	Nilai_Huruf
L200080080	Agustina Anggraini	Pemrograman Web	90	A

Show all

Number of rows: 25

Filter rows: Search this table

6. Left Join

New

informatika

New

mahasiswa

nilai

information_schema

modul_10

mysql

perbankan

performance_schema

phpmyadmin

susi

test

Showing rows 0 - 1 (2 total, Query took 0.0030 seconds.)

SELECT mahasiswa.NIM, mahasiswa>Nama, nilai>Nama_MK, nilai.Nilai_Angka, nilai.Nilai_Huruf FROM (mahasiswa LEFT JOIN nilai ON mahasiswa.NIM=nilai.NIM)

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all

Number of rows: 25

Filter rows: Search this table

+ Options

NIM	Nama	Nama_MK	Nilai_Angka	Nilai_Huruf
L200080080	Agustina Anggraini	Pemrograman Web	90	A
L200170132	Alvian Harisnur	NULL	NULL	NULL

Show all

Number of rows: 25

Filter rows: Search this table

7. Right Join

New

informatika

New

mahasiswa

nilai

information_schema

modul_10

mysql

perbankan

performance_schema

phpmyadmin

susi

test

Showing rows 0 - 2 (3 total, Query took 0.0030 seconds.)

SELECT mahasiswa.NIM, mahasiswa>Nama, nilai>Nama_MK, nilai.Nilai_Angka, nilai.Nilai_Huruf FROM (mahasiswa RIGHT JOIN nilai ON mahasiswa.NIM=nilai.NIM)

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all

Number of rows: 25

Filter rows: Search this table

+ Options

NIM	Nama	Nama_MK	Nilai_Angka	Nilai_Huruf
NULL	NULL	Kapita Selekt	60	BC
NULL	NULL	Pemrograman Web	87	A
L200080080	Agustina Anggraini	Pemrograman Web	90	A

Show all

Number of rows: 25

Filter rows: Search this table

8. Fungsi AVG

New

informatika

New

mahasiswa

nilai

information_schema

modul_10

mysql

perbankan

performance_schema

phpmyadmin

susi

test

Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.

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

SELECT AVG(nilai_Angka) 'Rata-rata Nilai' FROM nilai

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all

Number of rows: 25

Filter rows: Search this table

+ Options

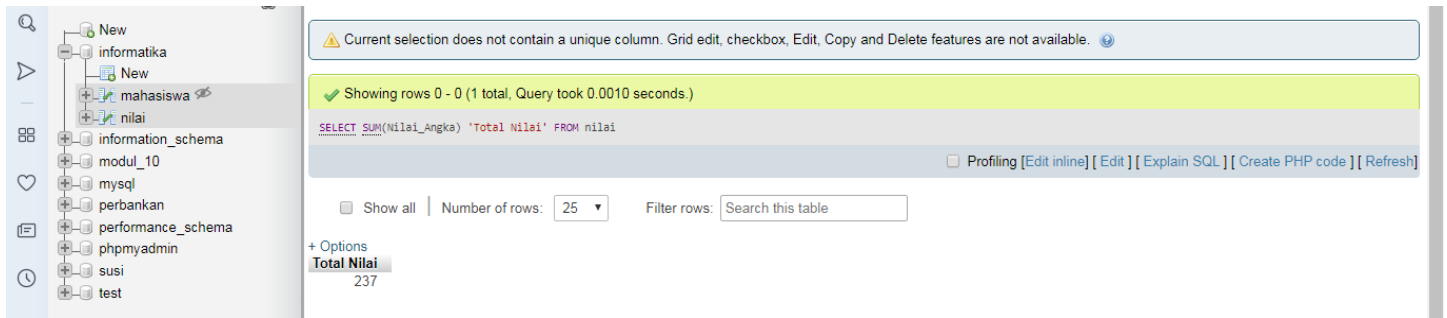
Rata-rata Nilai
79.0000

Show all

Number of rows: 25

Filter rows: Search this table

9. Fugsi SUM



The screenshot shows the phpMyAdmin interface. On the left, the database structure is visible, including a database named 'informatika' with a table 'nilai'. The main panel displays a SQL query: `SELECT SUM(nilai_Angka) 'Total Nilai' FROM nilai`. The result shows a single row with the value '237' under the column 'Total Nilai'.

Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.

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

```
SELECT SUM(nilai_Angka) 'Total Nilai' FROM nilai
```

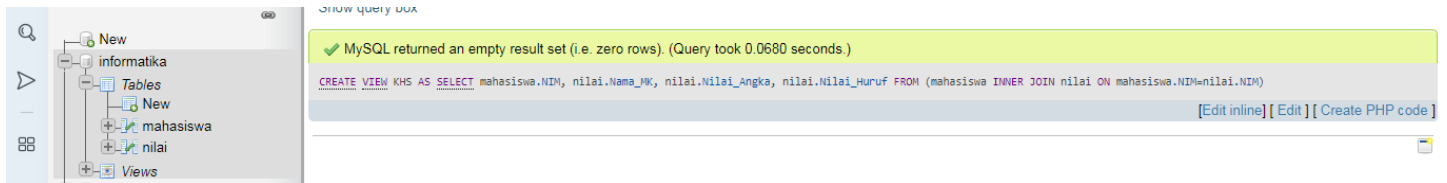
Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

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

+ Options

Total Nilai
237

10. View



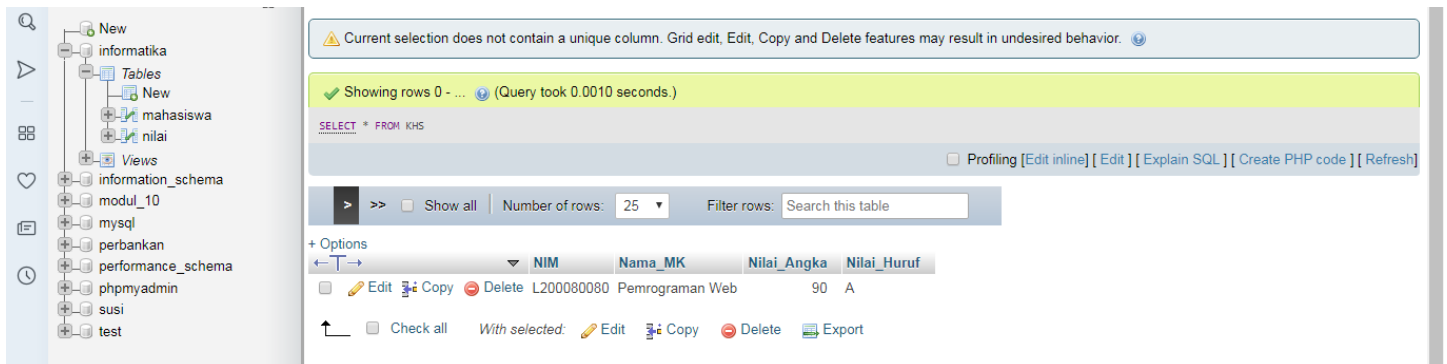
The screenshot shows the phpMyAdmin interface. On the left, the database structure is visible, including a database named 'informatika' with a table 'mahasiswa' and a table 'nilai'. The main panel displays a SQL query: `CREATE VIEW KHS AS SELECT mahasiswa.NIM, nilai.Nama_MK, nilai.Nilai_Angka, nilai.Nilai_Huruf FROM (mahasiswa INNER JOIN nilai ON mahasiswa.NIM=nilai.NIM)`.

MySQL returned an empty result set (i.e. zero rows). (Query took 0.0680 seconds.)

```
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)
```

[Edit inline] [Edit] [Create PHP code]

Dan hasilnya



The screenshot shows the phpMyAdmin interface. On the left, the database structure is visible, including a database named 'informatika' with a table 'mahasiswa' and a table 'nilai'. The main panel displays a SQL query: `SELECT * FROM KHS`. The result shows a single row with the values 'L200080080', 'Pemrograman Web', '90', and 'A'.

Current selection does not contain a unique column. Grid edit, Edit, Copy and Delete features may result in undesired behavior.

Showing rows 0 - ... (Query took 0.0010 seconds.)

```
SELECT * FROM KHS
```

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

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

+ Options

NIM	Nama_MK	Nilai_Angka	Nilai_Huruf
L200080080	Pemrograman Web	90	A

Check all | With selected: Edit Copy Delete Export

Tugas

1. Fungsi fungsi

- SELECT digunakan untuk menampilkan/memilih isi dari sebuah /lebih table.
- JOIN digunakan untuk menggabungkan antar table.
- LEFT JOIN digunakan untuk menampilkan data-data yang tidak berelasi. Namun pada table propinsi (table kiri), data yg tidak berelasi akan bernilai NULL.
- RIGHT JOIN digunakan untuk menampilkan data-data yang tidak berelasi. Namun kebalikan dari LEFT JOIN, pada table kota (table kanan), data yg tidak berelasi akan bernilai NULL.
- AVG digunakan untuk menghitung nilai rata-rata pada sebuah kolom pada table.
- SUM digunakan untuk menghitung total nilai pada sebuah kolom pada table.

2. Update data

The screenshot shows a database management interface. On the left, a tree view displays the database structure, including a schema named 'informatika' which contains tables 'mahasiswa' and 'nilai'. The main panel on the right shows a successful SQL query execution. The status bar at the top indicates '1 row affected. (Query took 0.0870 seconds.)'. The executed query is: `UPDATE mahasiswa SET Alamat='Sragen' WHERE NIM='L200080080'`. Below the query, there are links for '[Edit inline]', '[Edit]', and '[Create PHP code]'.

The screenshot shows the same database management interface. The main panel displays the results of a SQL query. The status bar at the top indicates 'Showing rows 0 - 1 (2 total, Query took 0.0010 seconds.)'. The executed query is: `SELECT * FROM 'mahasiswa'`. Below the query, there are links for 'Profiling', '[Edit inline]', '[Edit]', '[Explain SQL]', '[Create PHP code]', and '[Refresh]'. The results are shown in a table with columns: NIM, Nama, Kelas, and Alamat. The table contains two rows of data. Below the table, there are options to 'Show all', 'Number of rows' (set to 25), 'Filter rows' (Search this table), and 'Sort by key' (set to None). At the bottom, there are options to 'Check all', 'With selected', 'Edit', 'Copy', 'Delete', and 'Export'.

NIM	Nama	Kelas	Alamat
L200080080	Agustina Anggraini	A	Sragen
L200170132	Alvian Harisnur	B	Wonogiri