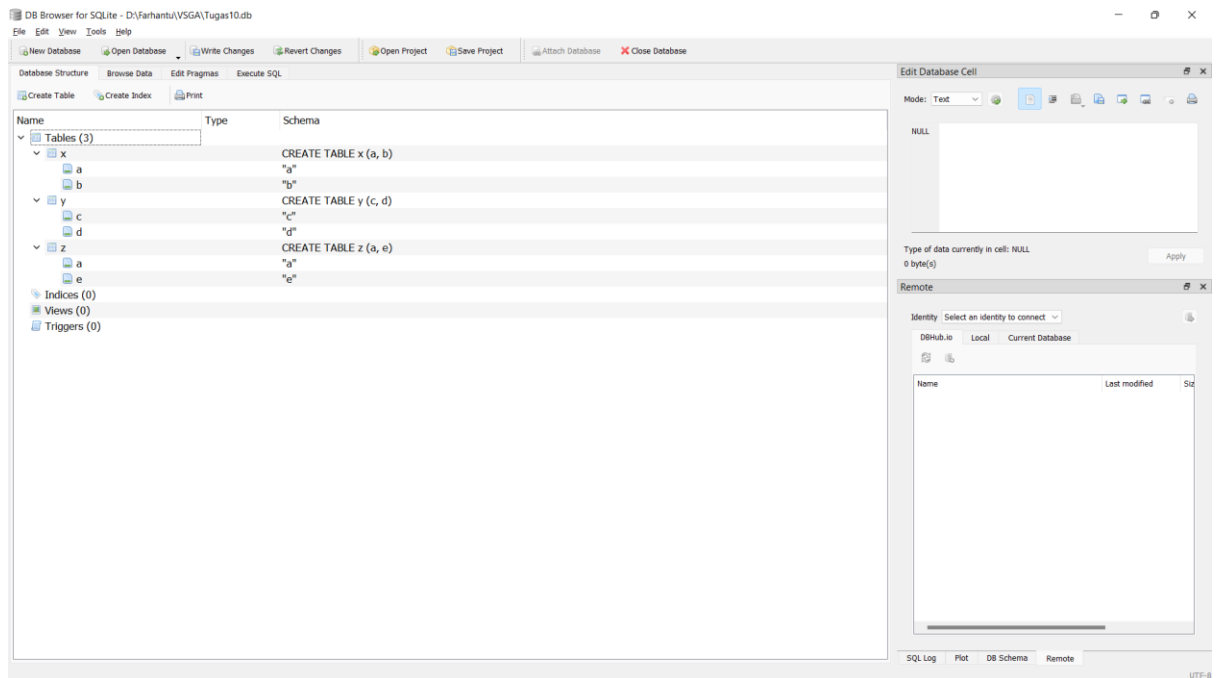


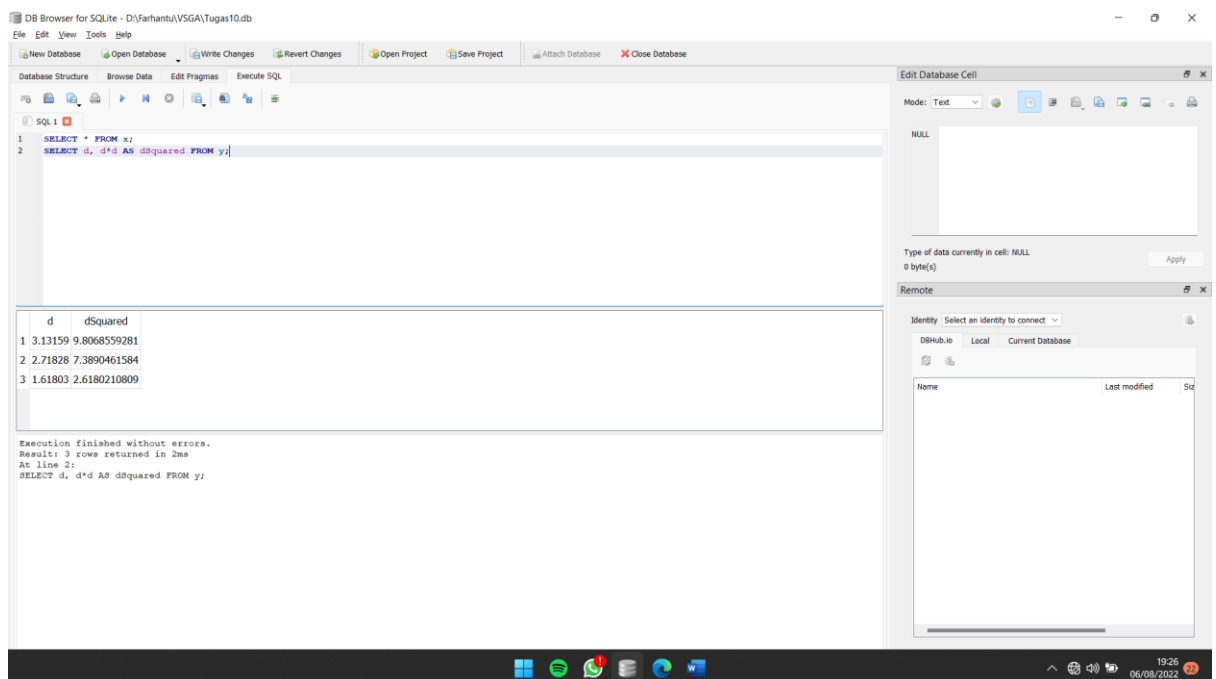
Nama : Mahsa Nurfarhan Hidayat
Kelas : JMP A
Nomor Regist : 150306099101-75

Tugas SQLite

1.



2.



3.

DB Browser for SQLite - D:\Farhant\VSGA\Tugas10.db

File Edit View Tools Help

New Database Open Database Write Changes Revert Changes Open Project Save Project Attach Database Close Database

Database Structure Browse Data Edit Pragma Execute SQL

SQL 1

```

1 SELECT * FROM x JOIN y;
2 SELECT * FROM x CROSS JOIN y;
3 SELECT * FROM x,y;

```

	a	b	c	d
1	1	Alice	1	3.13159
2	1	Alice	1	2.71828
3	1	Alice	2	1.61803
4	2	Bob	1	3.13159
5	2	Bob	1	2.71828
6	2	Bob	2	1.61803
7	3	Charlie	1	3.13159
8	3	Charlie	1	2.71828
9	3	Charlie	2	1.61803

Execution finished without errors.
Result: 9 rows returned in 3ms
At line 3:
SELECT * FROM x,y;

Edit Database Cell

Mode: Text

NULL

Type of data currently in cell: NULL
0 byte(s)

Remote

Identity: Select an identity to connect

DBHub.io Local Current Database

Name Last modified Size

4.

DB Browser for SQLite - D:\Farhant\VSGA\Tugas10.db

File Edit View Tools Help

New Database Open Database Write Changes Revert Changes Open Project Save Project Attach Database Close Database

Database Structure Browse Data Edit Pragma Execute SQL

SQL 1

```

1 SELECT * FROM x JOIN y ON a = c;

```

	a	b	c	d
1	1	Alice	1	2.71828
2	1	Alice	1	3.13159
3	2	Bob	2	1.61803

Execution finished without errors.
Result: 3 rows returned in 3ms
At line 1:
SELECT * FROM x JOIN y ON a = c;

Edit Database Cell

Mode: Text

NULL

Type of data currently in cell: NULL
0 byte(s)

Remote

Identity: Select an identity to connect

DBHub.io Local Current Database

Name Last modified Size

5.

DB Browser for SQLite - D:\Farhan\VS\GA\Tugas10.db

File Edit View Tools Help

New Database Open Database Write Changes Revert Changes Open Project Save Project Attach Database Close Database

Database Structure Browse Data Edit Pragma Execute SQL

SQL 1

```
1 SELECT * FROM x JOIN z USING ( a );
2 SELECT * FROM x NATURAL JOIN z;
```

	a	b	e
1	1	Alice	100
2	1	Alice	150
3	3	Charlie	300

Execution finished without errors.
Result: 3 rows returned in 31ms
At line 1:
SELECT * FROM x JOIN y ON a = c;

Edit Database Cell

Mode: Text

NULL

Type of data currently in cell: NULL
0 byte(s)

Remote

Identity: Select an identity to connect

DBHub.io Local Current Database

Name Last modified Size

6.

DB Browser for SQLite - D:\Farhan\VS\GA\Tugas10.db

File Edit View Tools Help

New Database Open Database Write Changes Revert Changes Open Project Save Project Attach Database Close Database

Database Structure Browse Data Edit Pragma Execute SQL

SQL 1

```
1 SELECT * FROM x LEFT OUTER JOIN z USING ( a );
```

	a	b	e
1	1	Alice	100
2	1	Alice	150
3	2	Bob	NULL
4	3	Charlie	300

Execution finished without errors.
Result: 4 rows returned in 31ms
At line 1:
SELECT * FROM x JOIN y ON a = c;

Edit Database Cell

Mode: Text

NULL

Type of data currently in cell: NULL
0 byte(s)

Remote

Identity: Select an identity to connect

DBHub.io Local Current Database

Name Last modified Size

7.

DB Browser for SQLite - D:\Farhant\VSGA\Tugas10.db

File Edit View Tools Help

New Database Open Database Write Changes Revert Changes Open Project Save Project Attach Database Close Database

Database Structure Browse Data Edit Pragma Execute SQL

SQL 1

```
1 SELECT * FROM x JOIN y ON x.a = y.c LEFT OUTER JOIN z ON y.c = z.a;
```

	a	b	c	d	a	e
1	1	Alice	1	2.71828	1	100
2	1	Alice	1	2.71828	1	150
3	1	Alice	1	3.13159	1	100
4	1	Alice	1	3.13159	1	150
5	2	Bob	2	1.61803	NULL	NULL

Execution finished without errors.
Result: 5 rows returned in 6ms
At line 1:
SELECT * FROM x JOIN y ON x.a = y.c LEFT OUTER JOIN z ON y.c = z.a;

Mode: Text

NULL

Type of data currently in cell: NULL
0 byte(s)

Remote

Identity: Select an identity to connect

DBHub.io Local Current Database

Name Last modified Size

8.

DB Browser for SQLite - D:\Farhant\VSGA\Tugas10.db

File Edit View Tools Help

New Database Open Database Write Changes Revert Changes Open Project Save Project Attach Database Close Database

Database Structure Browse Data Edit Pragma Execute SQL

SQL 1

```
1 SELECT * FROM y WHERE d BETWEEN 1.0 AND 3.0;
```

```
2
```

```
3 SELECT c, d, c+d AS sum FROM y WHERE sum <4.0;
```

	c	d	sum
1	1	2.71828	3.71828
2	2	1.61803	3.61803

Execution finished without errors.
Result: 2 rows returned in 1ms
At line 3:
SELECT c, d, c+d AS sum FROM y WHERE sum <4.0;

Mode: Text

NULL

Type of data currently in cell: NULL
0 byte(s)

Remote

Identity: Select an identity to connect

DBHub.io Local Current Database

Name Last modified Size

9.

DB Browser for SQLite - D:\Farhan\VS\GA\Tugas10.db

File Edit View Tools Help

New Database Open Database Write Changes Revert Changes Open Project Save Project Attach Database Close Database

Database Structure Browse Data Edit Pragma Execute SQL

SQL 1

```

1 SELECT a, count(a) AS count FROM z GROUP BY a;
2 SELECT a, sum(e), count(e),
3 sum(e)/count(e) AS expr, avg(e) AS egg FROM z GROUP BY a;

```

	a	sum(e)	count(e)	expr	egg
1	1	250	2	125	125.0
2	3	300	1	300	300.0
3	9	900	1	900	900.0

Execution finished without errors.
Result: 3 rows returned in 2ms
At line 3:
SELECT a, sum(e), count(e),
sum(e)/count(e) AS expr, avg(e) AS egg FROM z GROUP BY a;

Edit Database Cell

Mode: Text

NULL

Type of data currently in cell: NULL
0 byte(s)

Remote

Identity: Select an identity to connect

DBHub.io Local Current Database

Name Last modified Size

10.

DB Browser for SQLite - D:\Farhan\VS\GA\Tugas10.db

File Edit View Tools Help

New Database Open Database Write Changes Revert Changes Open Project Save Project Attach Database Close Database

Database Structure Browse Data Edit Pragma Execute SQL

SQL 1

```

1 SELECT * FROM y ORDER BY d;

```

	c	d
1	2	1.61803
2	1	2.71828
3	1	3.13159

Execution finished without errors.
Result: 3 rows returned in 6ms
At line 1:
SELECT * FROM y ORDER BY d;

Edit Database Cell

Mode: Text

NULL

Type of data currently in cell: NULL
0 byte(s)

Remote

Identity: Select an identity to connect

DBHub.io Local Current Database

Name Last modified Size