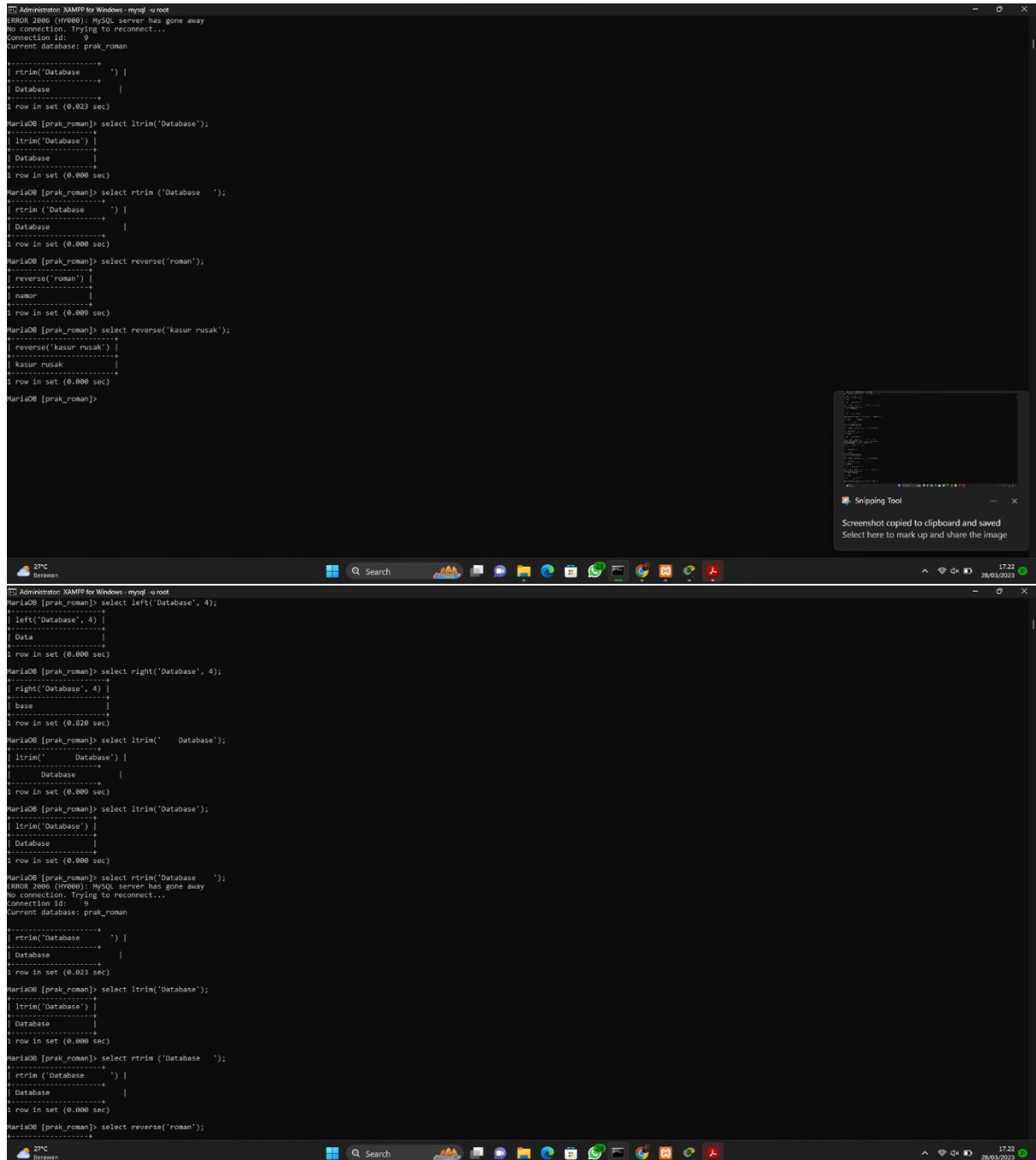


Nama : AL-MAHFUZH FADHLUR ROHMAN

NPM : 2208107010016

Praktikum Basis Data B

Screenshot syntax modul 9



```
Administrator: XAMPP for Windows - mysql -u root
ERROR 2006 (HY000): MySQL server has gone away
No connection. Trying to reconnect...
Connection id: 9
Current database: prak_roman

+-----+
| rtrim('Database ') |
+-----+
| Database           |
+-----+
1 row in set (0.023 sec)

MariaDB [prak_roman]> select ltrim('Database');
+-----+
| ltrim('Database') |
+-----+
| Database          |
+-----+
1 row in set (0.000 sec)

MariaDB [prak_roman]> select rtrim('Database ');
+-----+
| rtrim('Database ') |
+-----+
| Database           |
+-----+
1 row in set (0.000 sec)

MariaDB [prak_roman]> select reverse('roman');
+-----+
| reverse('roman') |
+-----+
| namor            |
+-----+
1 row in set (0.000 sec)

MariaDB [prak_roman]> select reverse('kasur rusak');
+-----+
| reverse('kasur rusak') |
+-----+
| kasur rusak           |
+-----+
1 row in set (0.000 sec)

MariaDB [prak_roman]>

Administrator: XAMPP for Windows - mysql -u root
MariaDB [prak_roman]> select left('Database', 4);
+-----+
| left('Database', 4) |
+-----+
| Data                |
+-----+
1 row in set (0.000 sec)

MariaDB [prak_roman]> select right('Database', 4);
+-----+
| right('Database', 4) |
+-----+
| base                |
+-----+
1 row in set (0.020 sec)

MariaDB [prak_roman]> select ltrim(' Database');
+-----+
| ltrim(' Database') |
+-----+
| Database           |
+-----+
1 row in set (0.000 sec)

MariaDB [prak_roman]> select ltrim('Database');
+-----+
| ltrim('Database') |
+-----+
| Database          |
+-----+
1 row in set (0.000 sec)

MariaDB [prak_roman]> select rtrim('Database ');
ERROR 2006 (HY000): MySQL server has gone away
No connection. Trying to reconnect...
Connection id: 9
Current database: prak_roman

+-----+
| rtrim('Database ') |
+-----+
| Database           |
+-----+
1 row in set (0.023 sec)

MariaDB [prak_roman]> select ltrim('Database');
+-----+
| ltrim('Database') |
+-----+
| Database          |
+-----+
1 row in set (0.000 sec)

MariaDB [prak_roman]> select rtrim('Database ');
+-----+
| rtrim('Database ') |
+-----+
| Database           |
+-----+
1 row in set (0.000 sec)

MariaDB [prak_roman]> select reverse('roman');
+-----+
| reverse('roman') |
+-----+
| namor            |
+-----+
1 row in set (0.000 sec)
```

```

Administrator: XAMPP for Windows - mysql - u root
1 row in set (0.000 sec)

MariaDB [prak_roman]> select char(90);
+-----+
| char(90) |
+-----+
| Z        |
+-----+
1 row in set (0.000 sec)

MariaDB [prak_roman]> select char(26);
+-----+
| char(26) |
+-----+
| a        |
+-----+
1 row in set (0.000 sec)

MariaDB [prak_roman]> select char(76,6,4,7,90,4);
+-----+
| char(76,6,4,7,90,4) |
+-----+
| 14474              |
+-----+
1 row in set (0.000 sec)

MariaDB [prak_roman]> select ascii('R'), ascii('O'), ascii('M'), ascii('A'), ascii('N');
+-----+
| ascii('R') | ascii('O') | ascii('M') | ascii('A') | ascii('N') |
+-----+
| 82         | 79         | 77         | 65         | 78         |
+-----+
1 row in set (0.000 sec)

MariaDB [prak_roman]>
MariaDB [prak_roman]> select insert('sofia', 3,3, 'pan');
+-----+
| insert('sofia', 3,3, 'pan') |
+-----+
| sopan                      |
+-----+
1 row in set (0.001 sec)

MariaDB [prak_roman]> instr('sofia fei', 'fei')
+-----+
| instr('sofia fei', 'fei') |
+-----+
| 7                          |
+-----+
1 row in set (0.010 sec)

MariaDB [prak_roman]> select locate('f', 'sofia fei', 1);
+-----+
| locate('f', 'sofia fei', 1) |
+-----+
| 3                            |
+-----+
1 row in set (0.008 sec)

Administrator: XAMPP for Windows - mysql - u root
2 rows in set (0.014 sec)

MariaDB [prak_roman]> DESC data_amblik;
+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+
| nim   | int(5) | NO   |     | NULL    |       |
| nama  | varchar(20) | YES |     | NULL    |       |
| kdmk  | char(5) | NO   |     | NULL    |       |
| nama_mk | varchar(15) | YES |     | NULL    |       |
| nilai | int(5) | YES |     | NULL    |       |
+-----+
2 rows in set (0.019 sec)

MariaDB [prak_roman]> select nama, count(kdmk) as jumlah_mk from data_amblik group by nama having count(kdmk) > 2;
+-----+
| nama | jumlah_mk |
+-----+
| Ana  | 3         |
| Ana Sofia | 3       |
+-----+
2 rows in set (0.007 sec)

MariaDB [prak_roman]> select nama_mk, avg(nilai) from data_amblik group by kdmk having avg(nilai) > 85;
+-----+
| nama_mk | avg(nilai) |
+-----+
| Basis Data | 89.50000 |
| Programan | 85.50000 |
| Jar Komputer | 90.00000 |
+-----+
3 rows in set (0.011 sec)

MariaDB [prak_roman]> select * from data_amblik where nilai is NULL;
[ERROR 1054 (42S22): Unknown column 'nilai' in 'where clause']
MariaDB [prak_roman]> select * from data_amblik where nilai is NULL;
+-----+
| nim | nama | kdmk | nama_mk | nilai |
+-----+
| 1111 | Faris | 3W313 | Jar Komputer | NULL |
+-----+
1 row in set (0.001 sec)

MariaDB [prak_roman]>
MariaDB [prak_roman]> select ascii('Roman');
+-----+
| ascii('Roman') |
+-----+
| 82             |
+-----+
1 row in set (0.001 sec)

MariaDB [prak_roman]> select char(83);
+-----+
| char(83) |
+-----+
| S        |
+-----+
1 row in set (0.000 sec)

MariaDB [prak_roman]> select char(1);
+-----+
| char(1) |
+-----+

```

```
Administrator: XAMPP for Windows - mysql - u-root
-----
10 rows in set (0.053 sec)

MariaDB [(none)]>
MariaDB [(none)]> use prak_roman;
Database changed
MariaDB [prak_roman]> create view data_ambilik as (
  -> select s.nim, nama, m.kdmk, nama_mk, nilai from s
  -> inner join ambilik a on s.nim=a.nim
  -> inner join matkul m on a.kdmk=m.kdmk);
ERROR 1146 (42S02): Table 'prak_roman.s' doesn't exist
MariaDB [prak_roman]> create view data_ambilik as (
  -> select s.nim, nama, m.kdmk, nama_mk, nilai from siswa s
  -> inner join ambilik a on s.nim=a.nim
  -> inner join matkul m on a.kdmk=m.kdmk);
Query OK, 0 rows affected (0.062 sec)

MariaDB [prak_roman]> show tables;
+-----+
Tables_in_prak_roman
+-----+
ambilik
barang
data_ambilik
matkul
orders
person
personnull
siswa
+-----+
9 rows in set (0.010 sec)

MariaDB [prak_roman]> select * from data_ambilik;
+-----+
nim | nama | kdmk | nama_mk | nilai
+-----+
1110 | Ana Sofia | INF10 | Basis Data | 89
1110 | Ana Sofia | INF11 | Mat Discret | 80
1110 | Ana Sofia | INF12 | Pemrograman | 84
1111 | Ana | INF10 | Basis Data | 90
1111 | Ana | INF12 | Pemrograman | 87
1111 | Ana | INF13 | Jar Komputer | 90
1112 | Riki | INF11 | Mat Discret | 79
1112 | Riki | INF13 | Jar Komputer | 90
1113 | Faris | INF13 | Jar Komputer | NULL
+-----+
9 rows in set (0.077 sec)

MariaDB [prak_roman]> select * from data_ambilik where kdmk='inf10';
+-----+
nim | nama | kdmk | nama_mk | nilai
+-----+
1110 | Ana Sofia | INF10 | Basis Data | 89
1111 | Ana | INF10 | Basis Data | 90
+-----+
2 rows in set (0.014 sec)

MariaDB [prak_roman]> DESC data_ambilik;
+-----+
Field | Type | Null | Key | Default | Extra
+-----+
nim | int(5) | NO | | |
+-----+

Administrator: XAMPP for Windows - mysql - u-root
-----
Database
+-----+
1 row in set (0.000 sec)

MariaDB [prak_roman]> select ltrim('Database');
+-----+
ltrim('Database')
+-----+
Database
+-----+
1 row in set (0.000 sec)

MariaDB [prak_roman]> select rtrim('Database ');
ERROR 2006 (HY000): MySQL server has gone away
No connection. Trying to reconnect...
Connection id: 2
Current database: prak_roman

+-----+
rtrim('Database ')
+-----+
Database
+-----+
1 row in set (0.023 sec)

MariaDB [prak_roman]> select ltrim('Database');
+-----+
ltrim('Database')
+-----+
Database
+-----+
1 row in set (0.000 sec)

MariaDB [prak_roman]> select rtrim ('Database ');
+-----+
rtrim ('Database ')
+-----+
Database
+-----+
1 row in set (0.000 sec)

MariaDB [prak_roman]> select reverse('roman');
+-----+
reverse('roman')
+-----+
roman
+-----+
1 row in set (0.000 sec)

MariaDB [prak_roman]> select reverse('kasur rusak');
+-----+
reverse('kasur rusak')
+-----+
kasur rusak
+-----+
1 row in set (0.000 sec)

MariaDB [prak_roman]>
```

```
Administrator: XAMPP for Windows - mysql - u-root
1 row in set (0.010 sec)

MariaDB [prak_roman]> select locate('f', 'sofia fel', 1);
+-----+
| locate('f', 'sofia fel', 1) |
+-----+
| 3 |
+-----+
1 row in set (0.000 sec)

MariaDB [prak_roman]> select left('Database', 45);
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near '' at line 1
MariaDB [prak_roman]> select left('Database', 4);
+-----+
| left('Database', 4) |
+-----+
| Data |
+-----+
1 row in set (0.000 sec)

MariaDB [prak_roman]> select right('Database', 4);
+-----+
| right('Database', 4) |
+-----+
| base |
+-----+
1 row in set (0.020 sec)

MariaDB [prak_roman]> select ltrim(' Database');
+-----+
| ltrim(' Database') |
+-----+
| Database |
+-----+
1 row in set (0.000 sec)

MariaDB [prak_roman]> select ltrim('Database');
+-----+
| ltrim('Database') |
+-----+
| Database |
+-----+
1 row in set (0.000 sec)

MariaDB [prak_roman]>

Administrator: XAMPP for Windows - mysql - u-root

MariaDB [prak_roman]> select ascii('R'), ascii('O'), ascii('M'), ascii('A'), ascii('N');
+-----+
| ascii('R') | ascii('O') | ascii('M') | ascii('A') | ascii('N') |
+-----+
| 82 | 79 | 77 | 65 | 78 |
+-----+
1 row in set (0.000 sec)

MariaDB [prak_roman]> select insert('sofia', 3,3, 'pan');
+-----+
| insert('sofia', 3,3, 'pan') |
+-----+
| sopan |
+-----+
1 row in set (0.001 sec)

MariaDB [prak_roman]> instr('sofia fel', 'fel')
+-----+
| instr('sofia fel', 'fel') |
+-----+
| 7 |
+-----+
1 row in set (0.010 sec)

MariaDB [prak_roman]> select locate('f', 'sofia fel', 1);
+-----+
| locate('f', 'sofia fel', 1) |
+-----+
| 3 |
+-----+
1 row in set (0.000 sec)

MariaDB [prak_roman]> select left('Database', 45);
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near '' at line 1
MariaDB [prak_roman]> select left('Database', 4);
+-----+
| left('Database', 4) |
+-----+
| Data |
+-----+
1 row in set (0.000 sec)

MariaDB [prak_roman]> select right('Database', 4);
+-----+
| right('Database', 4) |
+-----+
| base |
+-----+
1 row in set (0.020 sec)

MariaDB [prak_roman]> select ltrim(' Database');
+-----+
| ltrim(' Database') |
+-----+
| Database |
+-----+
1 row in set (0.000 sec)
```

Snipping Tool

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Snipping Tool

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```
Administrator: XAMPP for Windows - mysql - u-root
MariaDB [prak_roman]> select * from data_ambilk where nilai is NULL;
ERROR 1054 (42S22): Unknown column 'nilai' in 'where clause'
MariaDB [prak_roman]> select * from data_ambilk where nilai is NULL;
+----+-----+-----+-----+-----+
| nim | nama | kdmk | nama_mk | nilai |
+----+-----+-----+-----+-----+
| 1113 | Faris | INF13 | Jar Komputer | NULL |
+----+-----+-----+-----+-----+
1 row in set (0.001 sec)

MariaDB [prak_roman]>
MariaDB [prak_roman]> select ascii("Roman");
+-----+
| ascii("Roman") |
+-----+
| 82 |
+-----+
1 row in set (0.001 sec)

MariaDB [prak_roman]> select char(83);
+-----+
| char(83) |
+-----+
| S |
+-----+
1 row in set (0.000 sec)

MariaDB [prak_roman]> select char(1);
+-----+
| char(1) |
+-----+
| 0 |
+-----+
1 row in set (0.000 sec)

MariaDB [prak_roman]> select char(10);
+-----+
| char(10) |
+-----+
| |
+-----+
1 row in set (0.000 sec)

MariaDB [prak_roman]> select char(90);
+-----+
| char(90) |
+-----+
| Z |
+-----+
1 row in set (0.000 sec)

MariaDB [prak_roman]> select char(26);
+-----+
| char(26) |
+-----+
| A |
+-----+
1 row in set (0.000 sec)

MariaDB [prak_roman]> select char(76,6,4,7,90,4);
+-----+
| char(76,6,4,7,90,4) |
+-----+
| |
+-----+
1 row in set (0.000 sec)

29°C
Subagian cerah

Administrator: XAMPP for Windows - mysql - u-root
| siswa |
+-----+
1 row in set (0.010 sec)

MariaDB [prak_roman]> select * from data_ambilk;
+----+-----+-----+-----+-----+
| nim | nama | kdmk | nama_mk | nilai |
+----+-----+-----+-----+-----+
| 1110 | Ana Sofia | INF10 | Basis Data | 89 |
| 1110 | Ana Sofia | INF11 | Mat Diskrit | 80 |
| 1110 | Ana Sofia | INF12 | Pemograman | 85 |
| 1111 | Ana | INF10 | Basis Data | 90 |
| 1111 | Ana | INF12 | Pemograman | 87 |
| 1111 | Ana | INF13 | Jar Komputer | 90 |
| 1112 | Riki | INF11 | Mat Diskrit | 79 |
| 1112 | Riki | INF12 | Jar Komputer | 90 |
| 1113 | Faris | INF13 | Jar Komputer | NULL |
+----+-----+-----+-----+-----+
9 rows in set (0.037 sec)

MariaDB [prak_roman]> select * from data_ambilk where kdmk="inf10";
+----+-----+-----+-----+-----+
| nim | nama | kdmk | nama_mk | nilai |
+----+-----+-----+-----+-----+
| 1110 | Ana Sofia | INF10 | Basis Data | 89 |
| 1111 | Ana | INF10 | Basis Data | 90 |
+----+-----+-----+-----+-----+
2 rows in set (0.014 sec)

MariaDB [prak_roman]> DESC data_ambilk;
+----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+----+-----+-----+-----+-----+
| nim | int(5) | NO | | | |
| nama | varchar(20) | YES | | NULL | |
| kdmk | char(5) | NO | | NULL | |
| nama_mk | varchar(15) | YES | | NULL | |
| nilai | int(3) | YES | | NULL | |
+----+-----+-----+-----+-----+
9 rows in set (0.019 sec)

MariaDB [prak_roman]> select nama, count(kdmk) as jumlah_mk from data_ambilk group by nama having count(kdmk) > 2;
+-----+-----+
| nama | jumlah_mk |
+-----+-----+
| Ana | 3 |
| Ana Sofia | 3 |
+-----+-----+
2 rows in set (0.007 sec)

MariaDB [prak_roman]> select nama_mk, avg(nilai) from data_ambilk group by kdmk having avg(nilai) > 85;
+-----+-----+
| nama_mk | avg(nilai) |
+-----+-----+
| Basis Data | 89.5000 |
| Pemograman | 85.5000 |
| Jar Komputer | 90.0000 |
+-----+-----+
3 rows in set (0.011 sec)

MariaDB [prak_roman]> select * from data_ambilk where nilai is NULL;
ERROR 1054 (42S22): Unknown column 'nilai' in 'where clause'
MariaDB [prak_roman]> select * from data_ambilk where nilai is NULL;
```