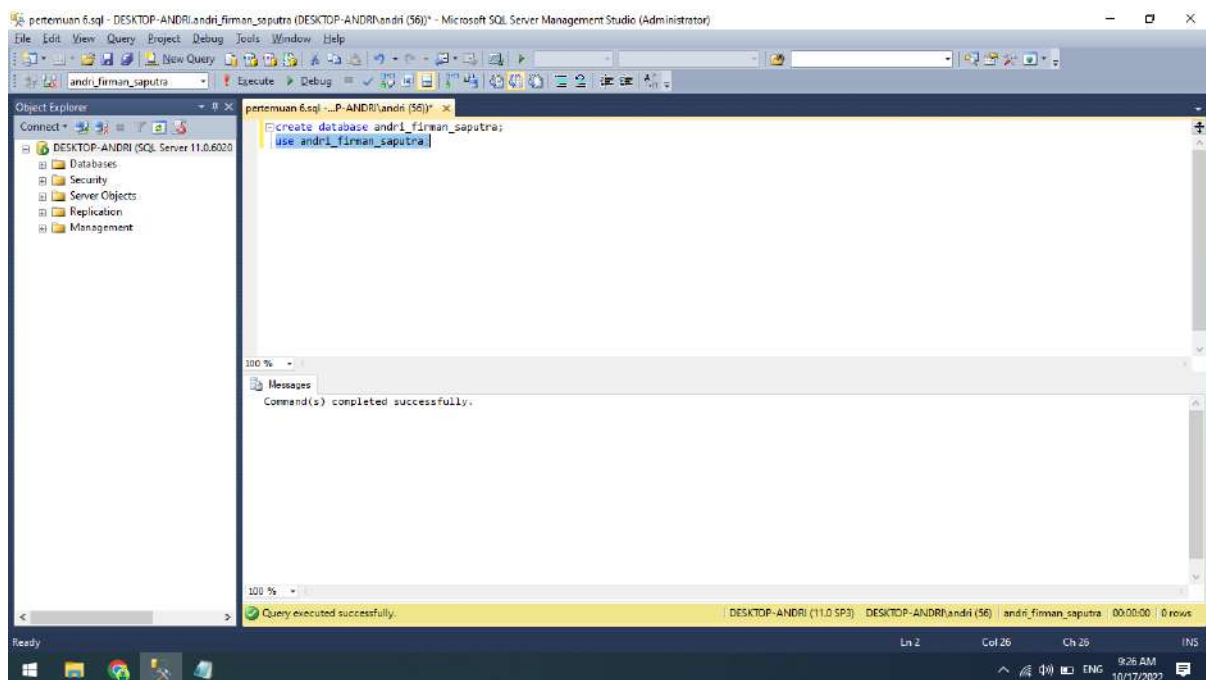
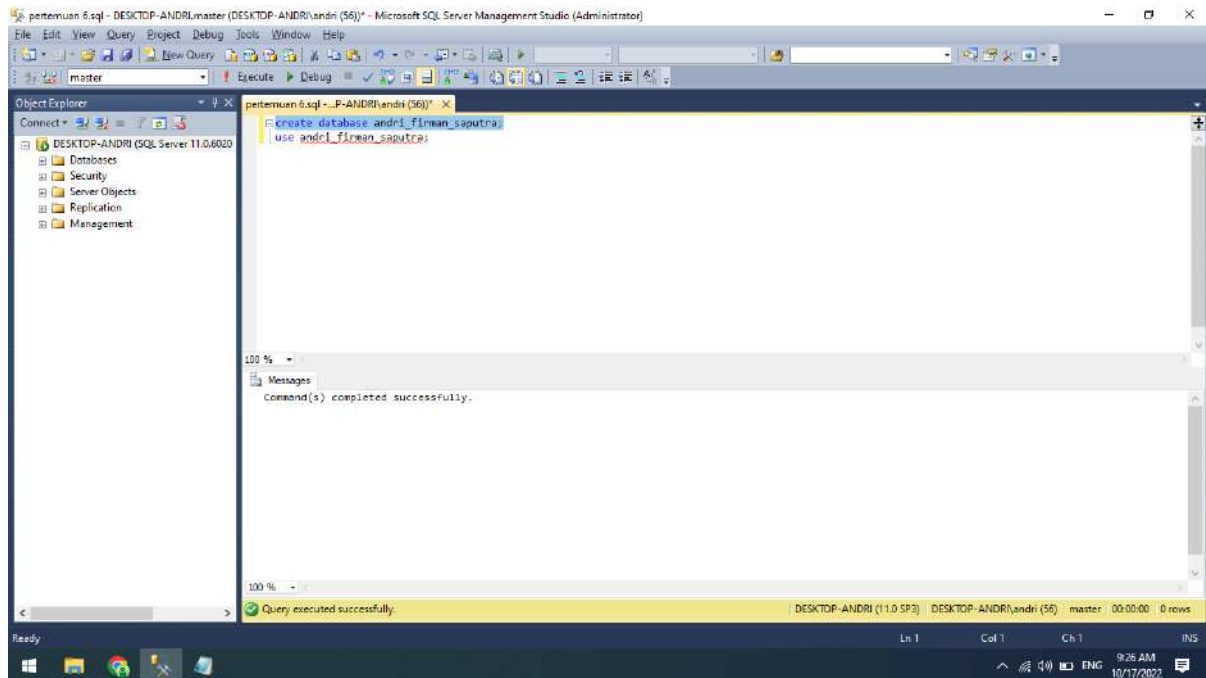


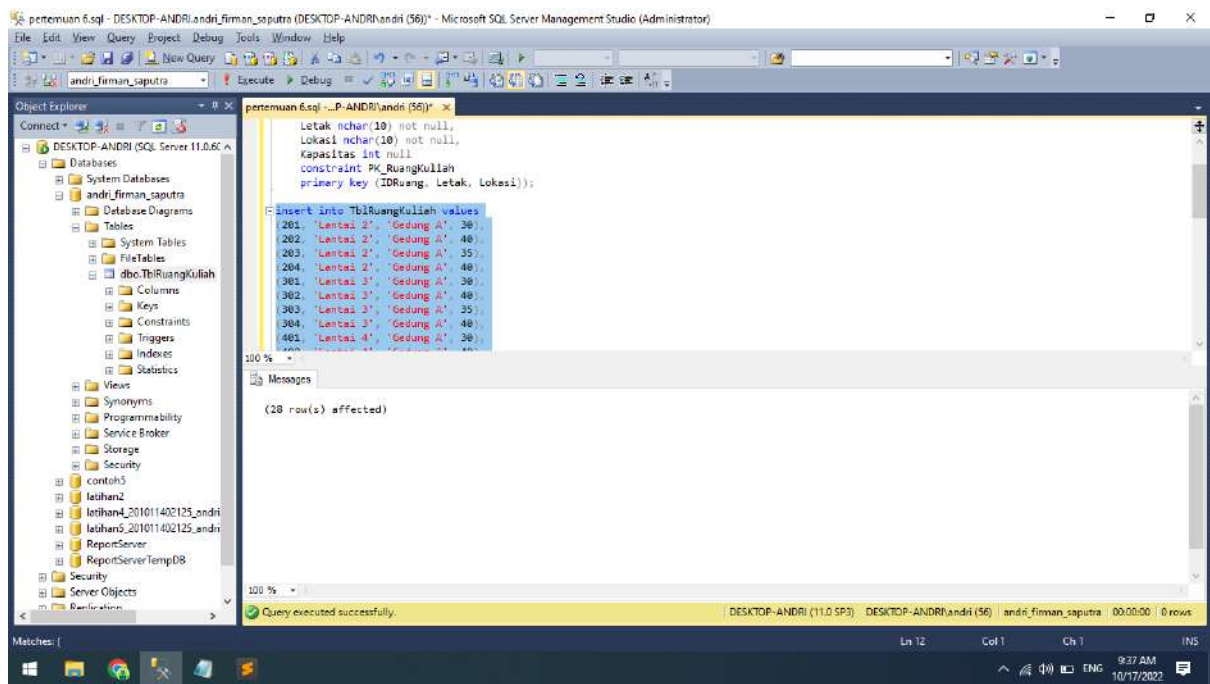
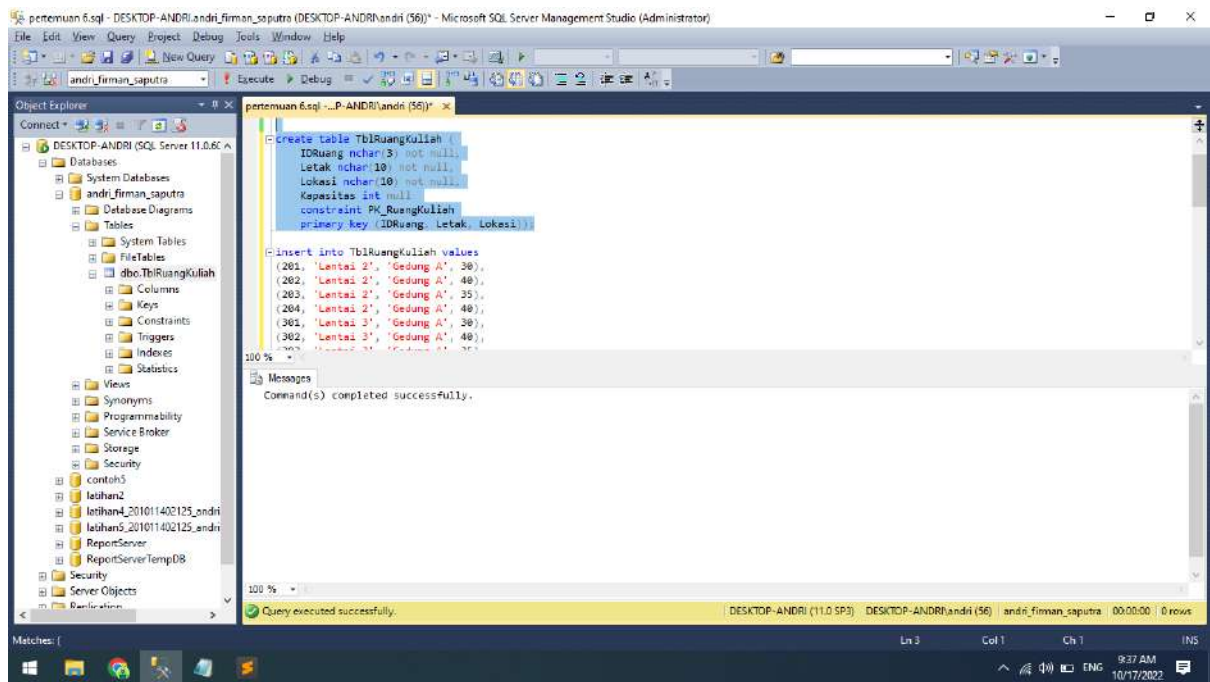
Nama : Andri Firman Saputra

NIM : 201011402125

Kelas : 05TLP016

Tugas : Basis Data II – Latihan 6





petemuan 6.sql - DESKTOP-ANDRI.andri_firman_saputra (DESKTOP-ANDRIandri (56)) - Microsoft SQL Server Management Studio (Administrator)

Object Explorer

- DESKTOP-ANDRI (SQL Server 11.0.6025.1)
- Databases
 - System Databases
 - andri_firman_saputra
 - Database Diagrams
 - Tables
 - System Tables
 - FileTables
 - dbo.TbIRuangKuliah
 - Columns
 - Keys
 - Constraints
 - Triggers
 - Indexes
 - Statistics
 - Views
 - Synonyms
 - Programmability
 - Service Broker
 - Storage
 - Security
 - contoh5
 - latihan2
 - latihan4_201011402125_andri
 - latihan5_201011402125_andri
 - ReportServer
 - ReportServerTempDB
 - Security
 - Server Objects
 - Replication

petemuan 6.sql - P-ANDRIandri (56)

```

(203, 'Lantai 2', 'Gedung B', 35),
(204, 'Lantai 2', 'Gedung B', 40),
(301, 'Lantai 3', 'Gedung B', 30),
(302, 'Lantai 3', 'Gedung B', 40),
(303, 'Lantai 3', 'Gedung B', 35),
(304, 'Lantai 3', 'Gedung B', 40),
(401, 'Lantai 4', 'Gedung B', 30),
(402, 'Lantai 4', 'Gedung B', 40),
(403, 'Lantai 4', 'Gedung B', 35),
(404, 'Lantai 4', 'Gedung B', 40),
(501, 'Lantai 2', 'Gedung B', 30),
(502, 'Lantai 2', 'Gedung B', 40),
(503, 'Lantai 2', 'Gedung B', 35),
(504, 'Lantai 2', 'Gedung B', 40);

```

```

SELECT 'TOTAL RUANG KULIAH' = COUNT(IDRuang) FROM TbIRuangKuliah;

```

Results

1
TOTAL RUANG KULIAH 28

Query executed successfully.

DESKTOP-ANDRI (11.0 SP3) | DESKTOP-ANDRIandri (56) | andri_firman_saputra | 00:00:00 | 1 rows

Matches: (

Ln 41 | Col 1 | Ch 1 | INS

9:40 AM
10/17/2022

petemuan 6.sql - DESKTOP-ANDRI.andri_firman_saputra (DESKTOP-ANDRIandri (56)) - Microsoft SQL Server Management Studio (Administrator)

Object Explorer

- DESKTOP-ANDRI (SQL Server 11.0.6025.1)
- Databases
 - System Databases
 - andri_firman_saputra
 - Database Diagrams
 - Tables
 - System Tables
 - FileTables
 - dbo.TbIRuangKuliah
 - Columns
 - Keys
 - Constraints
 - Triggers
 - Indexes
 - Statistics
 - Views
 - Synonyms
 - Programmability
 - Service Broker
 - Storage
 - Security
 - contoh5
 - latihan2
 - latihan4_201011402125_andri
 - latihan5_201011402125_andri
 - ReportServer
 - ReportServerTempDB
 - Security
 - Server Objects
 - Replication

petemuan 6.sql - P-ANDRIandri (56)

```

(302, 'Lantai 3', 'Gedung B', 30),
(303, 'Lantai 3', 'Gedung B', 35),
(304, 'Lantai 3', 'Gedung B', 40),
(401, 'Lantai 4', 'Gedung B', 30),
(402, 'Lantai 4', 'Gedung B', 40),
(403, 'Lantai 4', 'Gedung B', 35),
(404, 'Lantai 4', 'Gedung B', 40),
(501, 'Lantai 2', 'Gedung B', 30),
(502, 'Lantai 2', 'Gedung B', 40),
(503, 'Lantai 2', 'Gedung B', 35),
(504, 'Lantai 2', 'Gedung B', 40);

```

```

SELECT 'TOTAL RUANG KULIAH' = COUNT(IDRuang) FROM TbIRuangKuliah;
SELECT 'TOTAL RUANG KULIAH GEDUNG A' = COUNT(IDRuang) FROM TbIRuangKuliah WHERE Lokasi = 'Gedung A';

```

Results

1
TOTAL RUANG KULIAH GEDUNG A 12

Query executed successfully.

DESKTOP-ANDRI (11.0 SP3) | DESKTOP-ANDRIandri (56) | andri_firman_saputra | 00:00:00 | 1 rows

Item(s) Saved

Ln 45 | Col 1 | Ch 1 | INS

9:42 AM
10/17/2022

petemuan 6.sql - DESKTOP-ANDRI.andri_firman_saputra (DESKTOP-ANDRIandri (56)) - Microsoft SQL Server Management Studio (Administrator)

Object Explorer

- DESKTOP-ANDRI (SQL Server 11.0.6025.1)
- Databases
 - System Databases
 - andri_firman_saputra
 - Database Diagrams
 - Tables
 - System Tables
 - FileTables
 - dbo.TblRuanganKuliah
 - Columns
 - Keys
 - Constraints
 - Triggers
 - Indexes
 - Statistics
 - Views
 - Synonyms
 - Programmability
 - Service Broker
 - Storage
 - Security
 - contoh5
 - latihan2
 - latihan4_201011402125_andri
 - latihan5_201011402125_andri
 - ReportServer
 - ReportServerTempDB
 - Security
 - Server Objects
 - Replication

petemuan 6.sql - P-ANDRIandri (56)

```
(304, 'Lantai 3', 'Gedung B', 40),  
(401, 'Lantai 4', 'Gedung B', 30),  
(402, 'Lantai 4', 'Gedung B', 40),  
(403, 'Lantai 4', 'Gedung B', 35),  
(404, 'Lantai 4', 'Gedung B', 40),  
(501, 'Lantai 2', 'Gedung B', 30),  
(502, 'Lantai 2', 'Gedung B', 40),  
(503, 'Lantai 2', 'Gedung B', 35),  
(504, 'Lantai 2', 'Gedung B', 40);  
  
SELECT 'TOTAL RUANG KULIAH' = COUNT(IDRuang) FROM TblRuanganKuliah;  
SELECT 'TOTAL RUANG KULIAH GEDUNG A' = COUNT(IDRuang) FROM TblRuanganKuliah WHERE Lokasi = 'Gedung A';  
SELECT 'TOTAL KAPASITAS RUANG KULIAH' = SUM(Kapasitas) FROM TblRuanganKuliah;
```

Results

1	TOTAL KAPASITAS RUANG KULIAH
1	1015

Query executed successfully.

DESKTOP-ANDRI (11.0 SP3) | DESKTOP-ANDRIandri (56) | andri_firman_saputra | 00:00:00 | 1 rows

Item(s) Saved

Ln 46 Col 1 Ch 1 INS

9:46 AM 10/17/2022

petemuan 6.sql - DESKTOP-ANDRI.andri_firman_saputra (DESKTOP-ANDRIandri (56)) - Microsoft SQL Server Management Studio (Administrator)

Object Explorer

- DESKTOP-ANDRI (SQL Server 11.0.6025.1)
- Databases
 - System Databases
 - andri_firman_saputra
 - Database Diagrams
 - Tables
 - System Tables
 - FileTables
 - dbo.TblRuanganKuliah
 - Columns
 - Keys
 - Constraints
 - Triggers
 - Indexes
 - Statistics
 - Views
 - Synonyms
 - Programmability
 - Service Broker
 - Storage
 - Security
 - contoh5
 - latihan2
 - latihan4_201011402125_andri
 - latihan5_201011402125_andri
 - ReportServer
 - ReportServerTempDB
 - Security
 - Server Objects
 - Replication

petemuan 6.sql - P-ANDRIandri (56)

```
(402, 'Lantai 4', 'Gedung B', 40),  
(403, 'Lantai 4', 'Gedung B', 35),  
(404, 'Lantai 4', 'Gedung B', 40),  
(501, 'Lantai 2', 'Gedung B', 30),  
(502, 'Lantai 2', 'Gedung B', 40),  
(503, 'Lantai 2', 'Gedung B', 35),  
(504, 'Lantai 2', 'Gedung B', 40);  
  
SELECT 'TOTAL RUANG KULIAH' = COUNT(IDRuang) FROM TblRuanganKuliah;  
SELECT 'TOTAL RUANG KULIAH GEDUNG A' = COUNT(IDRuang) FROM TblRuanganKuliah WHERE Lokasi = 'Gedung A';  
SELECT 'TOTAL KAPASITAS RUANG KULIAH' = SUM(Kapasitas) FROM TblRuanganKuliah;  
SELECT 'TOTAL KAPASITAS RUANG KULIAH GEDUNG B' = SUM(Kapasitas) FROM TblRuanganKuliah WHERE Lokasi = 'Gedung B';
```

Results

1	TOTAL KAPASITAS RUANG KULIAH GEDUNG B
1	380

Query executed successfully.

DESKTOP-ANDRI (11.0 SP3) | DESKTOP-ANDRIandri (56) | andri_firman_saputra | 00:00:00 | 1 rows

Item(s) Saved

Ln 47 Col 1 Ch 1 INS

9:46 AM 10/17/2022

Microsoft SQL Server Management Studio (Administrator)

Object Explorer: andri_firman_saputra

Query Editor: pertemuan 6.sql - P-ANDRI/andri (56)

```

-- Data
(403, 'Lantai 4', 'Gedung B', 35),
(404, 'Lantai 4', 'Gedung B', 40),
(501, 'Lantai 2', 'Gedung B', 30),
(502, 'Lantai 2', 'Gedung B', 40),
(503, 'Lantai 2', 'Gedung B', 35),
(504, 'Lantai 2', 'Gedung B', 40);

SELECT 'TOTAL RUANG KULIAH' = COUNT(IDRuang) FROM TblRuangKuliah;
SELECT 'TOTAL RUANG KULIAH GEDUNG A' = COUNT(IDRuang) FROM TblRuangKuliah WHERE Lokasi = 'Gedung A';
SELECT 'TOTAL KAPASITAS RUANG KULIAH' = SUM(Kapasitas) FROM TblRuangKuliah;
SELECT 'TOTAL KAPASITAS RUANG KULIAH GEDUNG B' = SUM(Kapasitas) FROM TblRuangKuliah WHERE Lokasi = 'Gedung B';
SELECT 'KAPASITAS RUANG TERKECIL' = MIN(Kapasitas) FROM TblRuangKuliah;

```

Results: 1 row(s)

KAPASITAS RUANG TERKECIL
30

Query executed successfully.

DESKTOP-ANDRI (11.0 SP3) | DESKTOP-ANDRI/andri (56) | andri_firman_saputra | 00:00:00 | 1 rows

Item(s) Saved | Ln 49 | Col 1 | Ch 1 | INS | 9:47 AM | 10/17/2022

Microsoft SQL Server Management Studio (Administrator)

Object Explorer: andri_firman_saputra

Query Editor: pertemuan 6.sql - P-ANDRI/andri (56)

```

-- Data
(403, 'Lantai 4', 'Gedung B', 35),
(503, 'Lantai 2', 'Gedung B', 35),
(504, 'Lantai 2', 'Gedung B', 40);

SELECT 'TOTAL RUANG KULIAH' = COUNT(IDRuang) FROM TblRuangKuliah;
SELECT 'TOTAL RUANG KULIAH GEDUNG A' = COUNT(IDRuang) FROM TblRuangKuliah WHERE Lokasi = 'Gedung A';
SELECT 'TOTAL KAPASITAS RUANG KULIAH' = SUM(Kapasitas) FROM TblRuangKuliah;
SELECT 'TOTAL KAPASITAS RUANG KULIAH GEDUNG B' = SUM(Kapasitas) FROM TblRuangKuliah WHERE Lokasi = 'Gedung B';
SELECT 'KAPASITAS RUANG TERKECIL' = MIN(Kapasitas) FROM TblRuangKuliah;
SELECT 'KAPASITAS RUANG TERBESAR' = MAX(Kapasitas) FROM TblRuangKuliah;

```

Results: 1 row(s)

KAPASITAS RUANG TERBESAR
40

Query executed successfully.

DESKTOP-ANDRI (11.0 SP3) | DESKTOP-ANDRI/andri (56) | andri_firman_saputra | 00:00:00 | 1 rows

Item(s) Saved | Ln 54 | Col 1 | Ch 1 | INS | 9:48 AM | 10/17/2022

Microsoft SQL Server Management Studio (Administrator)

Object Explorer: DESKTOP-ANDRI (SQL Server 11.0.6020.5)

Query Editor: pertemuan 6.sql - P-ANDRI\andri (56)

```

-- Data: Lantai 2 > Ruang B > T2
(503, 'Lantai 2', 'Gedung B', 35);
(504, 'Lantai 2', 'Gedung B', 40);

SELECT 'TOTAL RUANG KULIAH' = COUNT(IDRuang) FROM TblRuangKuliah;
SELECT 'TOTAL RUANG KULIAH GEDUNG A' = COUNT(IDRuang) FROM TblRuangKuliah WHERE Lokasi = 'Gedung A';
SELECT 'TOTAL KAPASITAS RUANG KULIAH' = SUM(Kapasitas) FROM TblRuangKuliah;
SELECT 'TOTAL KAPASITAS RUANG KULIAH GEDUNG B' = SUM(Kapasitas) FROM TblRuangKuliah WHERE Lokasi = 'Gedung B';
SELECT 'KAPASITAS RUANG TERKECIL' = MIN(Kapasitas) FROM TblRuangKuliah;
SELECT 'KAPASITAS RUANG TERBESAR' = MAX(Kapasitas) FROM TblRuangKuliah;
SELECT 'RATA-RATA KAPASITAS RUANG' = AVG(Kapasitas) FROM TblRuangKuliah;

```

Results: RATA-RATA KAPASITAS RUANG

1	36

Query executed successfully.

Item(s) Saved

DESKTOP-ANDRI (11.0 SP3) | DESKTOP-ANDRI\andri (56) | andri_firman_saputra | 00:00:00 | 1 rows

Ln 55 | Col 1 | Ch 1 | INS | 9:48 AM | 10/17/2022

Microsoft SQL Server Management Studio (Administrator)

Object Explorer: DESKTOP-ANDRI (SQL Server 11.0.6020.5)

Query Editor: pertemuan 6.sql - P-ANDRI\andri (56)

```

-- Data: Lantai 2 > Ruang B > T2
(503, 'Lantai 2', 'Gedung B', 35);
(504, 'Lantai 2', 'Gedung B', 40);

SELECT 'TOTAL RUANG KULIAH' = COUNT(IDRuang) FROM TblRuangKuliah;
SELECT 'TOTAL RUANG KULIAH GEDUNG A' = COUNT(IDRuang) FROM TblRuangKuliah WHERE Lokasi = 'Gedung A';
SELECT 'TOTAL KAPASITAS RUANG KULIAH' = SUM(Kapasitas) FROM TblRuangKuliah;
SELECT 'TOTAL KAPASITAS RUANG KULIAH GEDUNG B' = SUM(Kapasitas) FROM TblRuangKuliah WHERE Lokasi = 'Gedung B';
SELECT 'KAPASITAS RUANG TERKECIL' = MIN(Kapasitas) FROM TblRuangKuliah;
SELECT 'KAPASITAS RUANG TERBESAR' = MAX(Kapasitas) FROM TblRuangKuliah;
SELECT 'RATA-RATA KAPASITAS RUANG' = AVG(Kapasitas) FROM TblRuangKuliah;
SELECT Lokasi, 'JML KAPASITAS' = SUM(Kapasitas) FROM TblRuangKuliah GROUP BY Lokasi;

```

Results: JML KAPASITAS

	Lokasi	JML KAPASITAS
1	Gedung A	435
2	Gedung B	580

Query executed successfully.

Item(s) Saved

DESKTOP-ANDRI (11.0 SP3) | DESKTOP-ANDRI\andri (56) | andri_firman_saputra | 00:00:00 | 2 rows

Ln 55 | Col 1 | Ch 1 | INS | 9:50 AM | 10/17/2022

Microsoft SQL Server Management Studio (Administrator) window showing a query execution result.

Query executed successfully.

Results:

Letak	JML KAPASITAS
Letak 2	435
Letak 3	290
Letak 4	250

Microsoft SQL Server Management Studio (Administrator) window showing a query execution result.

Query executed successfully.

Results:

Letak	JML KAPASITAS
Letak 2	290
Letak 3	145
Letak 4	145

petemuan 6.sql - DESKTOP-ANDRI.andri_firman_saputra (DESKTOP-ANDRI(56)) - Microsoft SQL Server Management Studio (Administrator)

Object Explorer: Connect to DESKTOP-ANDRI (SQL Server 11.0.6025.1) | andri_firman_saputra | Databases | andri_firman_saputra | Database Diagrams | Tables | System Tables | FileTables | dbo.TblRuanganKuliah | Columns | Keys | Constraints | Triggers | Indexes | Statistics | Views | Synonyms | Programmability | Service Broker | Storage | Security | Security | Server Objects | Server Objects | Replication

petemuan 6.sql - P-ANDRI(56) | Query Editor (SQL) | petemuan 6.sql

```

SELECT 'KAPASITAS RUANG TERKECIL' = MIN(Kapasitas) FROM TblRuanganKuliah;
SELECT 'KAPASITAS RUANG TERBESAR' = MAX(Kapasitas) FROM TblRuanganKuliah;
SELECT 'RATA-RATA KAPASITAS RUANG' = AVG(Kapasitas) FROM TblRuanganKuliah;
SELECT Lokasi, 'JML KAPASITAS' = SUM(Kapasitas) FROM TblRuanganKuliah GROUP BY Lokasi;
SELECT Letak, 'JML KAPASITAS' = SUM(Kapasitas) FROM TblRuanganKuliah GROUP BY Letak;
SELECT Letak, 'JML KAPASITAS' = SUM(Kapasitas) FROM TblRuanganKuliah WHERE Lokasi = 'Gedung B' GROUP BY Letak;
SELECT * FROM TblRuanganKuliah ORDER BY IDRuangan ASC;
SELECT * FROM TblRuanganKuliah ORDER BY IDRuangan DESC;

```

Results: 100% | Messages

IDRuangan	Letak	Lokasi	Kapasitas
1	201	Gedung A	30
2	201	Lantai 2	30
3	202	Lantai 2	40
4	202	Lantai 2	40
5	203	Lantai 2	35
6	203	Lantai 2	35
7	204	Lantai 2	40
8	204	Lantai 2	40
9	301	Lantai 3	30
10	301	Lantai 3	30
11	302	Lantai 3	40

Query executed successfully. | DESKTOP-ANDRI (11.0.6025.1) | DESKTOP-ANDRI(56) | andri_firman_saputra | 00:00:00 | 28 rows

Item(s) Saved | Ln 61 | Col 1 | Ch 1 | INS | 10:26 AM | 10/17/2022

petemuan 6.sql - DESKTOP-ANDRI.andri_firman_saputra (DESKTOP-ANDRI(56)) - Microsoft SQL Server Management Studio (Administrator)

Object Explorer: Connect to DESKTOP-ANDRI (SQL Server 11.0.6025.1) | andri_firman_saputra | Databases | andri_firman_saputra | Database Diagrams | Tables | System Tables | FileTables | dbo.TblRuanganKuliah | Columns | Keys | Constraints | Triggers | Indexes | Statistics | Views | Synonyms | Programmability | Service Broker | Storage | Security | Security | Server Objects | Server Objects | Replication

petemuan 6.sql - P-ANDRI(56) | Query Editor (SQL) | petemuan 6.sql

```

SELECT 'KAPASITAS RUANG TERKECIL' = MIN(Kapasitas) FROM TblRuanganKuliah;
SELECT 'KAPASITAS RUANG TERBESAR' = MAX(Kapasitas) FROM TblRuanganKuliah;
SELECT 'RATA-RATA KAPASITAS RUANG' = AVG(Kapasitas) FROM TblRuanganKuliah;
SELECT Lokasi, 'JML KAPASITAS' = SUM(Kapasitas) FROM TblRuanganKuliah GROUP BY Lokasi;
SELECT Letak, 'JML KAPASITAS' = SUM(Kapasitas) FROM TblRuanganKuliah GROUP BY Letak;
SELECT Letak, 'JML KAPASITAS' = SUM(Kapasitas) FROM TblRuanganKuliah WHERE Lokasi = 'Gedung B' GROUP BY Letak;
SELECT * FROM TblRuanganKuliah ORDER BY IDRuangan ASC;
SELECT * FROM TblRuanganKuliah ORDER BY IDRuangan DESC;

```

Results: 100% | Messages

IDRuangan	Letak	Lokasi	Kapasitas
1	304	Lantai 3	40
2	503	Lantai 2	35
3	502	Lantai 2	40
4	501	Lantai 2	30
5	404	Lantai 4	40
6	404	Lantai 4	40
7	403	Lantai 4	35
8	403	Lantai 4	35
9	402	Lantai 4	40
10	402	Lantai 4	40
11	401	Lantai 4	30

Query executed successfully. | DESKTOP-ANDRI (11.0.6025.1) | DESKTOP-ANDRI(56) | andri_firman_saputra | 00:00:00 | 28 rows

Item(s) Saved | Ln 64 | Col 1 | Ch 1 | INS | 10:26 AM | 10/17/2022

Source Code:

```
create database andri_firman_saputra;
use andri_firman_saputra;

create table TblRuangKuliah (
    IDRuang nchar(3) not null,
    Letak nchar(10) not null,
    Lokasi nchar(10) not null,
    Kapasitas int null
    constraint PK_RuangKuliah
    primary key (IDRuang, Letak, Lokasi));

insert into TblRuangKuliah values
(201, 'Lantai 2', 'Gedung A', 30),
(202, 'Lantai 2', 'Gedung A', 40),
(203, 'Lantai 2', 'Gedung A', 35),
(204, 'Lantai 2', 'Gedung A', 40),
(301, 'Lantai 3', 'Gedung A', 30),
(302, 'Lantai 3', 'Gedung A', 40),
(303, 'Lantai 3', 'Gedung A', 35),
(304, 'Lantai 3', 'Gedung A', 40),
(401, 'Lantai 4', 'Gedung A', 30),
(402, 'Lantai 4', 'Gedung A', 40),
(403, 'Lantai 4', 'Gedung A', 35),
(404, 'Lantai 4', 'Gedung A', 40),
(201, 'Lantai 2', 'Gedung B', 30),
(202, 'Lantai 2', 'Gedung B', 40),
(203, 'Lantai 2', 'Gedung B', 35),
(204, 'Lantai 2', 'Gedung B', 40),
(301, 'Lantai 3', 'Gedung B', 30),
(302, 'Lantai 3', 'Gedung B', 40),
(303, 'Lantai 3', 'Gedung B', 35),
(304, 'Lantai 3', 'Gedung B', 40),
(401, 'Lantai 4', 'Gedung B', 30),
(402, 'Lantai 4', 'Gedung B', 40),
(403, 'Lantai 4', 'Gedung B', 35),
(404, 'Lantai 4', 'Gedung B', 40),
(501, 'Lantai 2', 'Gedung B', 30),
(502, 'Lantai 2', 'Gedung B', 40),
(503, 'Lantai 2', 'Gedung B', 35),
(504, 'Lantai 2', 'Gedung B', 40);

SELECT 'TOTAL RUANG KULIAH' = COUNT(IDRuang) FROM TblRuangKuliah;

SELECT 'TOTAL RUANG KULIAH GEDUNG A' = COUNT(IDRuang) FROM TblRuangKuliah WHERE Lokasi
= 'Gedung A';

SELECT 'TOTAL KAPASITAS RUANG KULIAH' = SUM(Kapasitas) FROM TblRuangKuliah;

SELECT 'TOTAL KAPASITAS RUANG KULIAH GEDUNG B' = SUM(Kapasitas) FROM TblRuangKuliah
WHERE Lokasi = 'Gedung B';

SELECT 'KAPASITAS RUANG TERKECIL' = MIN(Kapasitas) FROM TblRuangKuliah;

SELECT 'KAPASITAS RUANG TERBESAR' = MAX(Kapasitas) FROM TblRuangKuliah;

SELECT 'RATA-RATA KAPASITAS RUANG' = AVG(Kapasitas) FROM TblRuangKuliah;

SELECT Lokasi, 'JML KAPASITAS' = SUM(Kapasitas) FROM TblRuangKuliah GROUP BY Lokasi;

SELECT Letak, 'JML KAPASITAS' = SUM(Kapasitas) FROM TblRuangKuliah GROUP BY Letak;
```

```
SELECT Letak, 'JML KAPASITAS' = SUM(Kapasitas) FROM TblRuangKuliah WHERE Lokasi =  
'Gedung B' GROUP BY Letak;
```

```
SELECT * FROM TblRuangKuliah ORDER BY IDRuang ASC;
```

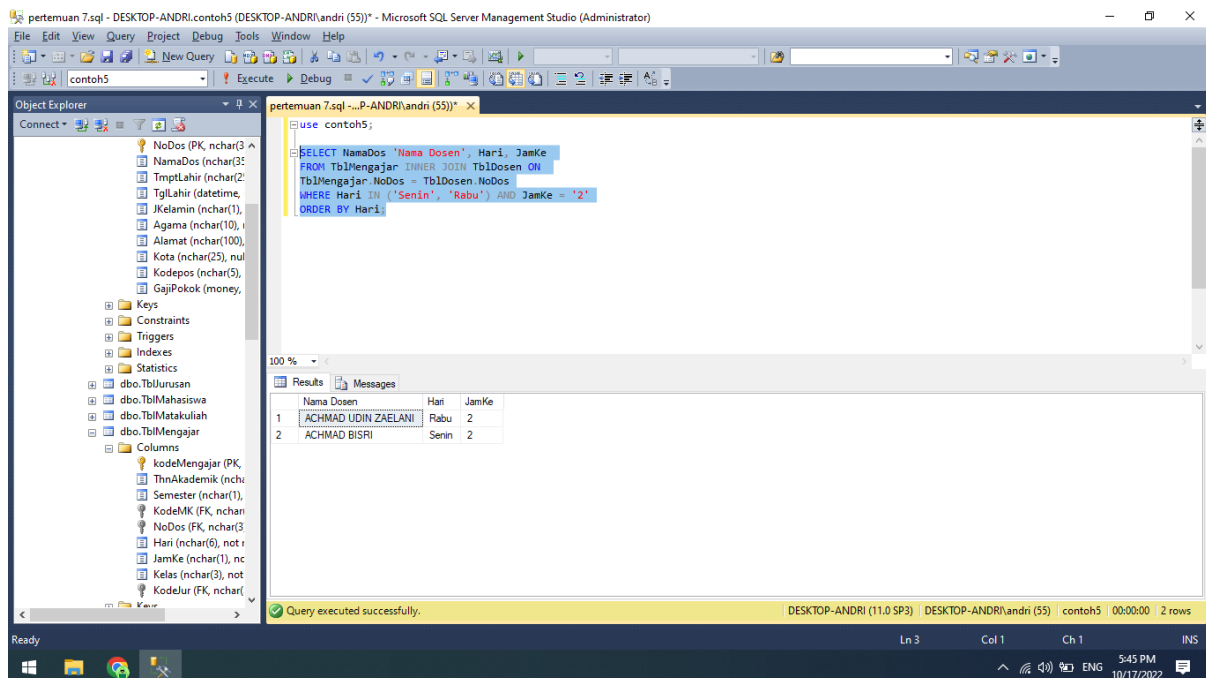
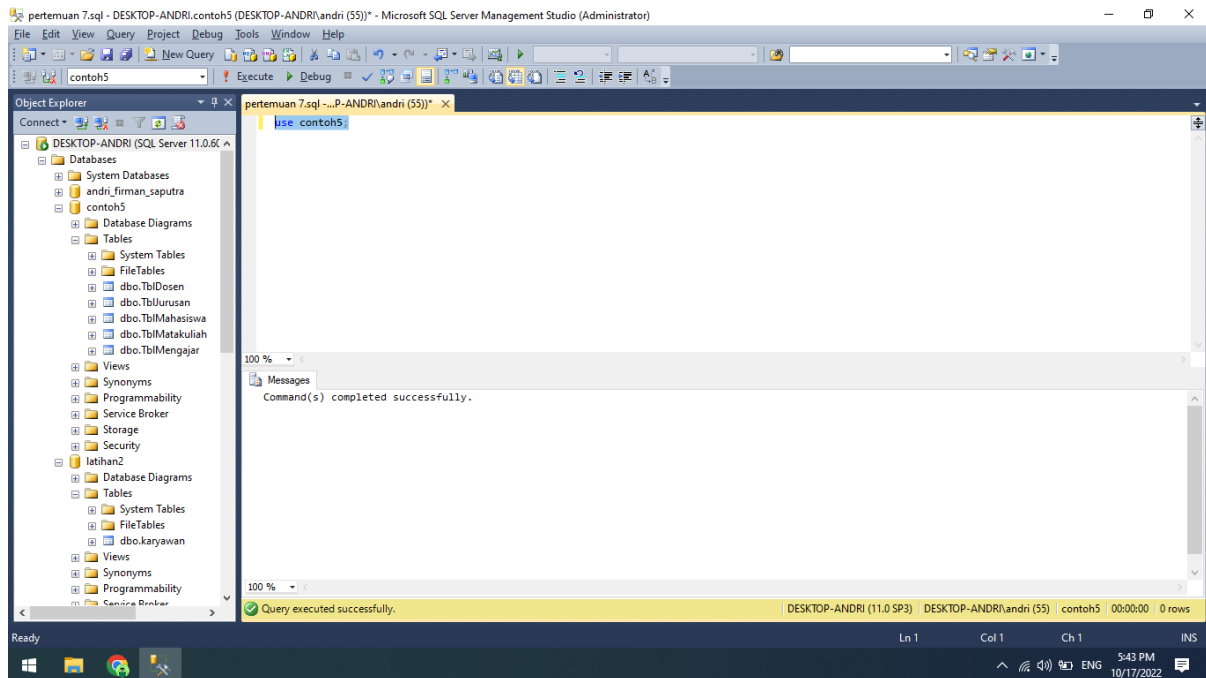
```
SELECT * FROM TblRuangKuliah ORDER BY IDRuang DESC;
```

Nama : Andri Firman Saputra

NIM : 201011402125

Kelas : 05TPLP016

Tugas : Basis Data II – Latihan 7



Microsoft SQL Server Management Studio (Administrator)

Object Explorer: Expand to **contoh5** > **dbo** > **TblMatakuliah**

```

--use contoh5;

SELECT NamaDos 'Nama Dosen', Hari, JamKe
FROM TblMengajar INNER JOIN TblDosen ON
TblMengajar.NoDos = TblDosen.NoDos
WHERE Hari IN ('Senin', 'Rabu') AND JamKe = '2'
ORDER BY Hari;

SELECT NamaDos 'Nama Dosen', NamaMK 'Nama Matakuliah',
SKS, Hari, JamKe
FROM TblMengajar JOIN TblDosen ON TblMengajar.NoDos =
TblDosen.NoDos
JOIN TblMatakuliah ON TblMengajar.KodeMK =
TblMatakuliah.KodeMK
WHERE SKS > 2
ORDER BY JamKe DESC

```

Results:

	Nama Dosen	Nama Matakuliah	SKS	Hari	JamKe
1	ACHMAD BISRI	Algoritma dan Pemrograman	4	Senin	2
2	ACHMAD UDIN ZAELENI	Komunikasi Data	3	Rabu	2
3	ACHMAD UDIN ZAELENI	Struktur Data	4	Senin	1
4	ACHMAD BISRI	Algoritma dan Pemrograman	4	Senin	1

Query executed successfully. DESKTOP-ANDRI (11.0 SP3) DESKTOP-ANDRI\andri (55) | contoh5 | 00:00:00 | 4 rows

Microsoft SQL Server Management Studio (Administrator)

Object Explorer: Expand to **contoh5** > **dbo** > **TblMatakuliah**

```

ORDER BY Hari;

SELECT NamaDos 'Nama Dosen', NamaMK 'Nama Matakuliah',
SKS, Hari, JamKe
FROM TblMengajar JOIN TblDosen ON TblMengajar.NoDos =
TblDosen.NoDos
JOIN TblMatakuliah ON TblMengajar.KodeMK =
TblMatakuliah.KodeMK
WHERE SKS > 2
ORDER BY JamKe DESC

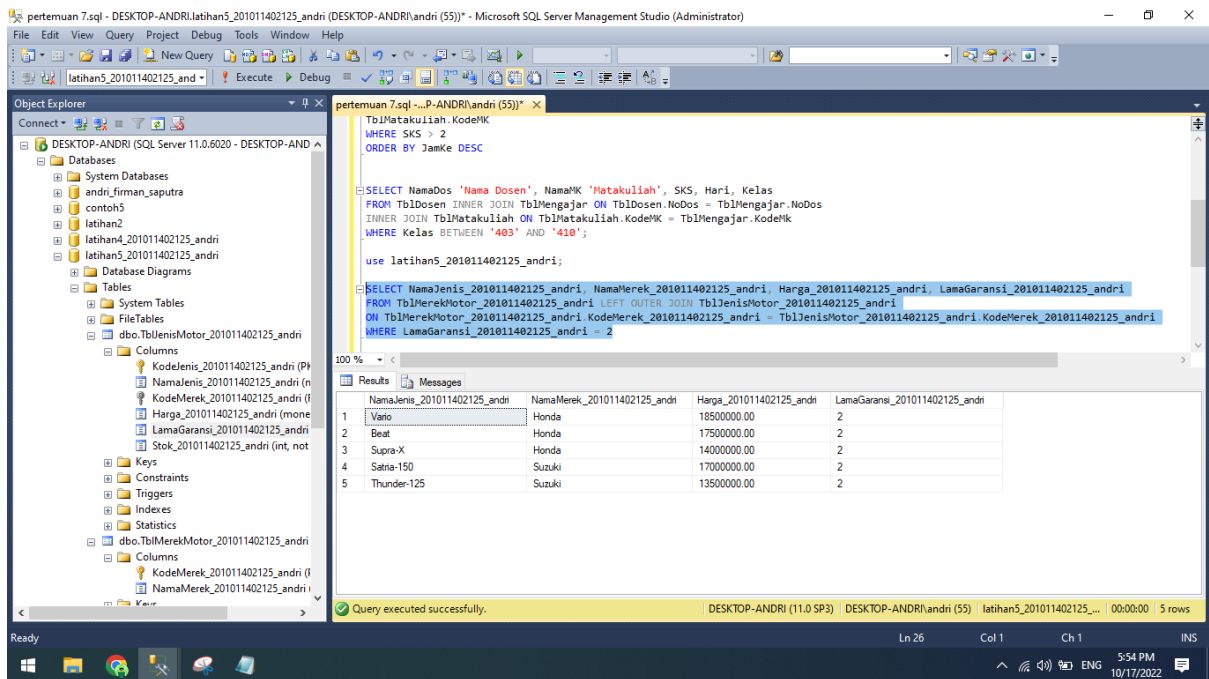
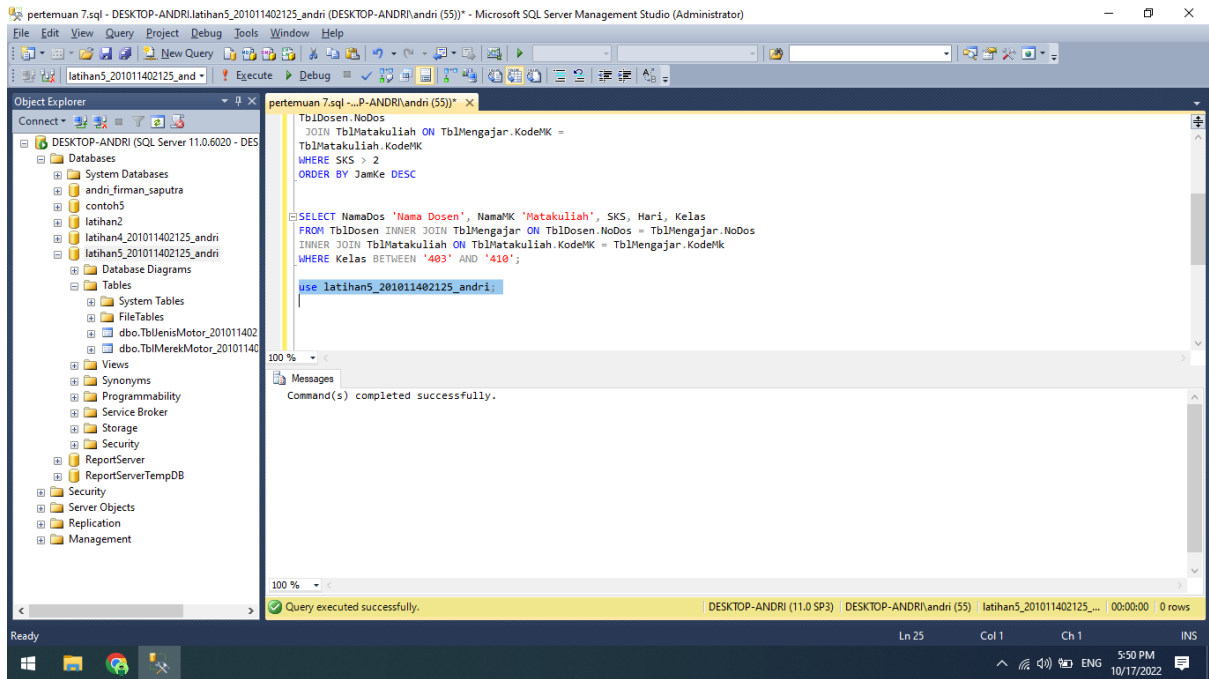
SELECT NamaDos 'Nama Dosen', NamaMK 'Matakuliah', SKS, Hari, Kelas
FROM TblDosen INNER JOIN TblMengajar ON TblDosen.NoDos = TblMengajar.NoDos
INNER JOIN TblMatakuliah ON TblMatakuliah.KodeMK = TblMengajar.KodeMK
WHERE Kelas BETWEEN '403' AND '410';

```

Results:

	Nama Dosen	Matakuliah	SKS	Hari	Kelas
1	ACHMAD BISRI	Sistem Operasi	2	Senin	403
2	ACHMAD UDIN ZAELENI	Sistem Digital	2	Rabu	408
3	ACHMAD UDIN ZAELENI	Struktur Data	4	Senin	408

Query executed successfully. DESKTOP-ANDRI (11.0 SP3) DESKTOP-ANDRI\andri (55) | contoh5 | 00:00:00 | 3 rows



Microsoft SQL Server Management Studio (Administrator)

Object Explorer: DESKTOP-ANDRI (SQL Server 11.0.6020 - DESKTOP-ANDRI)

Query Editor: pertemuan 7.sql - P-ANDRI\andri (55)

```

WHERE Kelas BETWEEN '403' AND '410';

use latihan5_201011402125_andri;

SELECT NamaJenis_201011402125_andri, NamaMerek_201011402125_andri, Harga_201011402125_andri, LamaGaransi_201011402125_andri
FROM TblMerekMotor_201011402125_andri LEFT OUTER JOIN TblJenisMotor_201011402125_andri
ON TblMerekMotor_201011402125_andri.KodeMerek_201011402125_andri = TblJenisMotor_201011402125_andri.KodeMerek_201011402125_andri
WHERE LamaGaransi_201011402125_andri = 2

SELECT NamaJenis_201011402125_andri, NamaMerek_201011402125_andri, Harga_201011402125_andri, LamaGaransi_201011402125_andri
FROM TblMerekMotor_201011402125_andri RIGHT OUTER JOIN TblJenisMotor_201011402125_andri
ON TblMerekMotor_201011402125_andri.KodeMerek_201011402125_andri = TblJenisMotor_201011402125_andri.KodeMerek_201011402125_andri
WHERE LamaGaransi_201011402125_andri <> 2

```

Results: 12 rows

NamaJenis_201011402125_andri	NamaMerek_201011402125_andri	Harga_201011402125_andri	LamaGaransi_201011402125_andri
1	CBR-150	Honda	38000000.00
2	Tiger2000	Honda	24000000.00
3	MegaPro	Honda	22500000.00
4	Vixion	Yamaha	19500000.00
5	Scorpio	Yamaha	19000000.00
6	Mio	Yamaha	11000000.00
7	Spin-125	Suzuki	12500000.00
8	Ninja-150	Kawasaki	22000000.00
9	Mnerva 150-R	Mnerva	15000000.00
10	Pulsar-135	Bajaj	15000000.00
11	Pulsar-200	Bajaj	18500000.00

Query executed successfully. DESKTOP-ANDRI (11.0 SP3) | DESKTOP-ANDRI\andri (55) | latihan5_201011402125_andri | 00:00:00 | 12 rows

Microsoft SQL Server Management Studio (Administrator)

Object Explorer: DESKTOP-ANDRI (SQL Server 11.0.6020 - DESKTOP-ANDRI)

Query Editor: pertemuan 7.sql - P-ANDRI\andri (55)

```

use latihan5_201011402125_andri;

SELECT NamaJenis_201011402125_andri, NamaMerek_201011402125_andri, Harga_201011402125_andri, LamaGaransi_201011402125_andri
FROM TblMerekMotor_201011402125_andri LEFT OUTER JOIN TblJenisMotor_201011402125_andri
ON TblMerekMotor_201011402125_andri.KodeMerek_201011402125_andri = TblJenisMotor_201011402125_andri.KodeMerek_201011402125_andri
WHERE LamaGaransi_201011402125_andri = 2

SELECT NamaJenis_201011402125_andri, NamaMerek_201011402125_andri, Harga_201011402125_andri, LamaGaransi_201011402125_andri
FROM TblMerekMotor_201011402125_andri RIGHT OUTER JOIN TblJenisMotor_201011402125_andri
ON TblMerekMotor_201011402125_andri.KodeMerek_201011402125_andri = TblJenisMotor_201011402125_andri.KodeMerek_201011402125_andri
WHERE LamaGaransi_201011402125_andri <> 2

SELECT NamaJenis_201011402125_andri, NamaMerek_201011402125_andri, Harga_201011402125_andri, LamaGaransi_201011402125_andri
FROM TblMerekMotor_201011402125_andri FULL OUTER JOIN TblJenisMotor_201011402125_andri
ON TblMerekMotor_201011402125_andri.KodeMerek_201011402125_andri = TblJenisMotor_201011402125_andri.KodeMerek_201011402125_andri
WHERE LamaGaransi_201011402125_andri = 2

```

Results: 5 rows

NamaJenis_201011402125_andri	NamaMerek_201011402125_andri	Harga_201011402125_andri	LamaGaransi_201011402125_andri
1	Vario	Honda	18500000.00
2	Beat	Honda	17500000.00
3	Supra-X	Honda	14000000.00
4	Satria-150	Suzuki	17000000.00
5	Thunder-125	Suzuki	13500000.00

Query executed successfully. DESKTOP-ANDRI (11.0 SP3) | DESKTOP-ANDRI\andri (55) | latihan5_201011402125_andri | 00:00:00 | 5 rows

Source Code:

```
use contoh5;
```

```
SELECT NamaDos 'Nama Dosen', Hari, JamKe
FROM TblMengajar INNER JOIN TblDosen ON
TblMengajar.NoDos = TblDosen.NoDos
WHERE Hari IN ('Senin', 'Rabu') AND JamKe = '2'
ORDER BY Hari;
```

```
SELECT NamaDos 'Nama Dosen', NamaMK 'Nama Matakuliah',
SKS, Hari, JamKe
FROM TblMengajar JOIN TblDosen ON TblMengajar.NoDos =
TblDosen.NoDos
JOIN TblMatakuliah ON TblMengajar.KodeMK =
TblMatakuliah.KodeMK
WHERE SKS > 2
ORDER BY JamKe DESC;
```

```
SELECT NamaDos 'Nama Dosen', NamaMK 'Matakuliah', SKS, Hari, Kelas
FROM TblDosen INNER JOIN TblMengajar ON TblDosen.NoDos = TblMengajar.NoDos
INNER JOIN TblMatakuliah ON TblMatakuliah.KodeMK = TblMengajar.KodeMk
WHERE Kelas BETWEEN '403' AND '410';
```

```
use latihan5_201011402125_andri;
```

```
SELECT NamaJenis_201011402125_andri, NamaMerek_201011402125_andri,
Harga_201011402125_andri, LamaGaransi_201011402125_andri
FROM TblMerekMotor_201011402125_andri LEFT OUTER JOIN TblJenisMotor_201011402125_andri
ON TblMerekMotor_201011402125_andri.KodeMerek_201011402125_andri =
TblJenisMotor_201011402125_andri.KodeMerek_201011402125_andri
WHERE LamaGaransi_201011402125_andri = 2;
```

```
SELECT NamaJenis_201011402125_andri, NamaMerek_201011402125_andri,
Harga_201011402125_andri, LamaGaransi_201011402125_andri
FROM TblMerekMotor_201011402125_andri RIGHT OUTER JOIN
TblJenisMotor_201011402125_andri
ON TblMerekMotor_201011402125_andri.KodeMerek_201011402125_andri =
TblJenisMotor_201011402125_andri.KodeMerek_201011402125_andri
WHERE LamaGaransi_201011402125_andri <> 2;
```

```
SELECT NamaJenis_201011402125_andri, NamaMerek_201011402125_andri,
Harga_201011402125_andri, LamaGaransi_201011402125_andri
FROM TblMerekMotor_201011402125_andri FULL OUTER JOIN TblJenisMotor_201011402125_andri
ON TblMerekMotor_201011402125_andri.KodeMerek_201011402125_andri =
TblJenisMotor_201011402125_andri.KodeMerek_201011402125_andri
WHERE LamaGaransi_201011402125_andri = 2;
```