

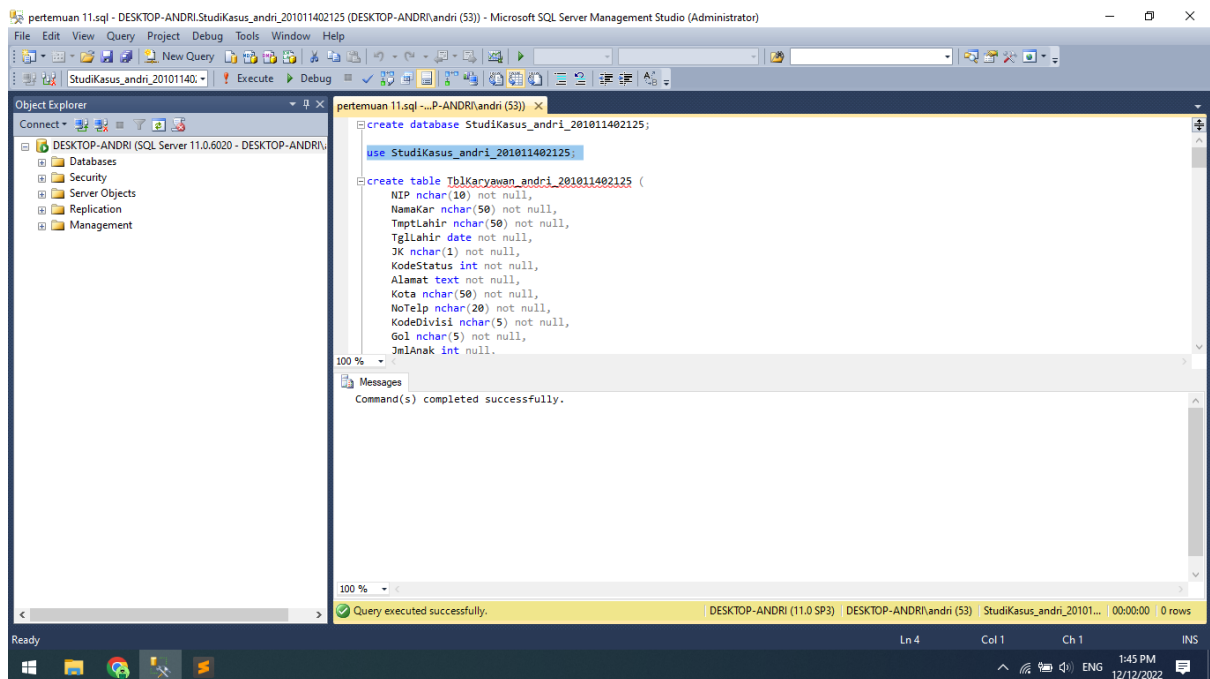
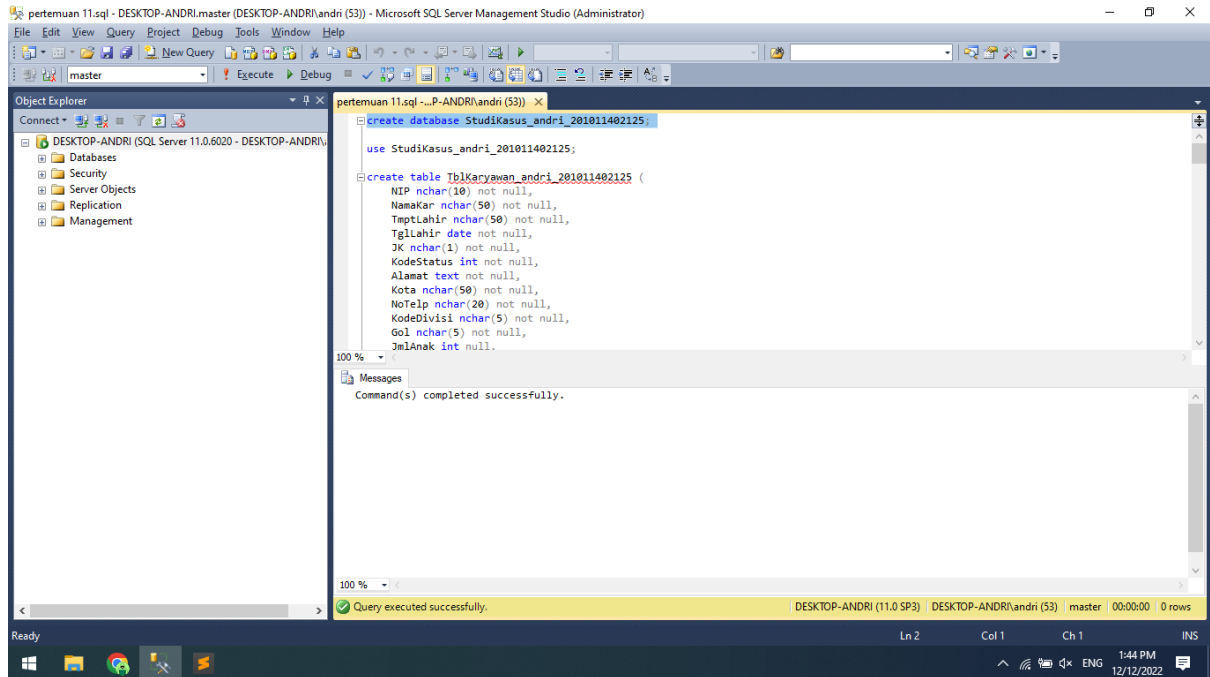
Nama : Andri Firman Saputra

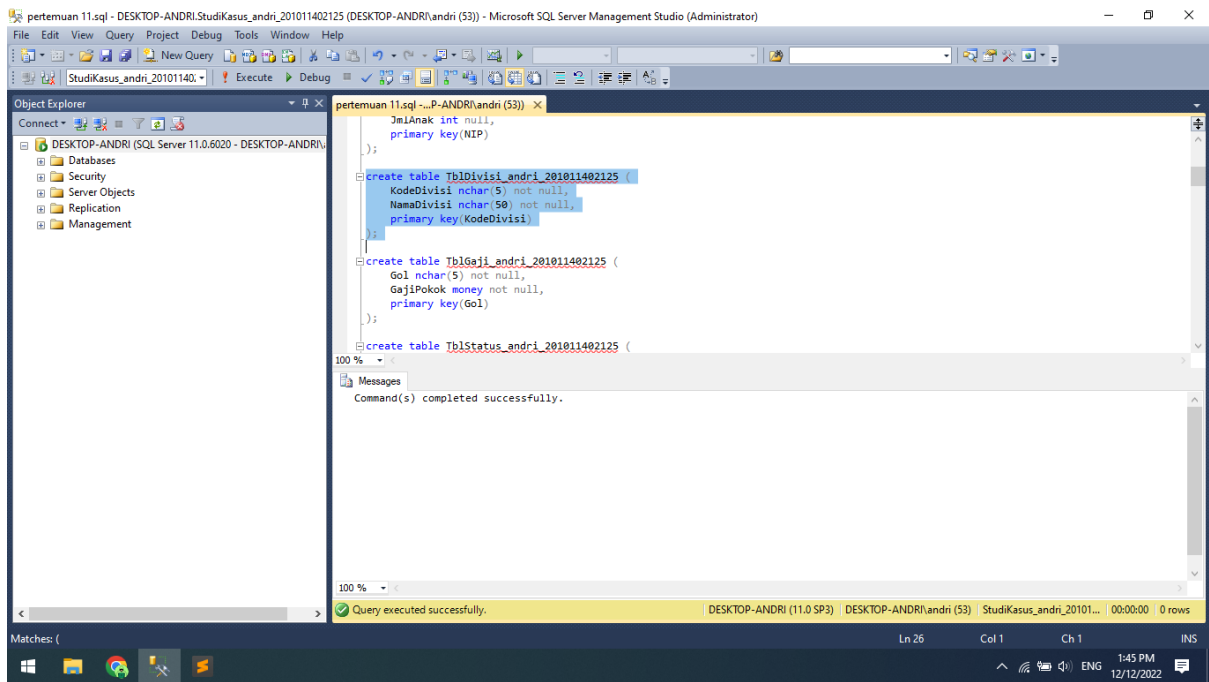
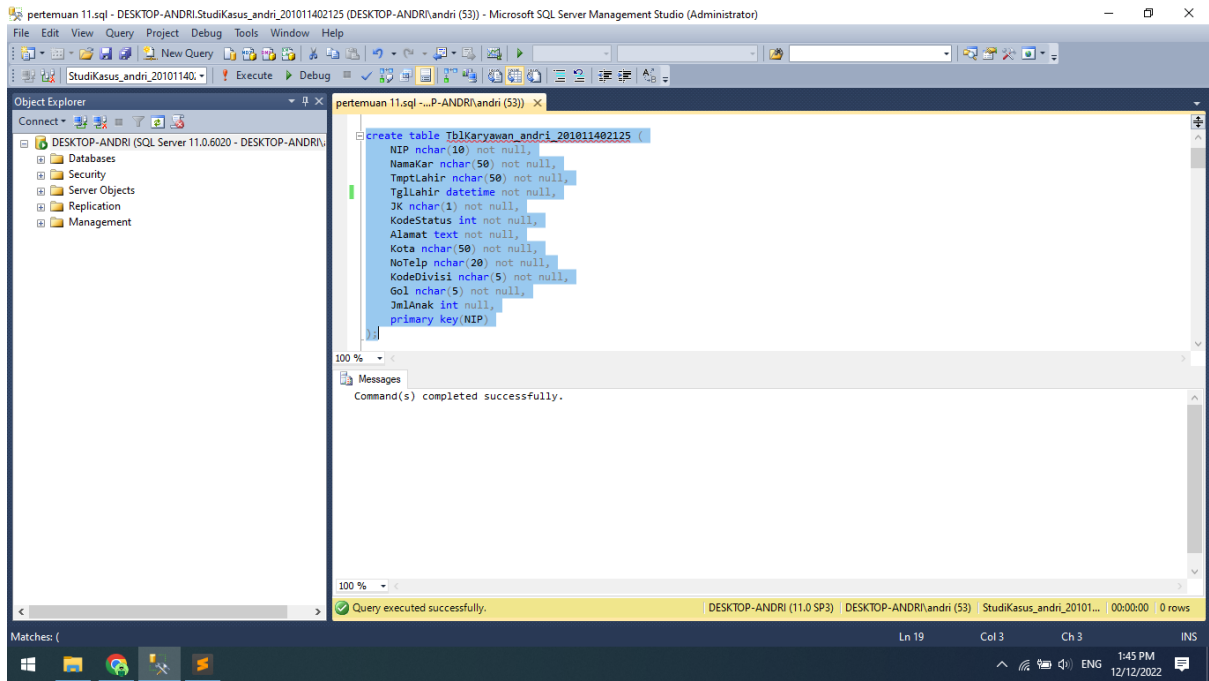
NIM : 201011402125

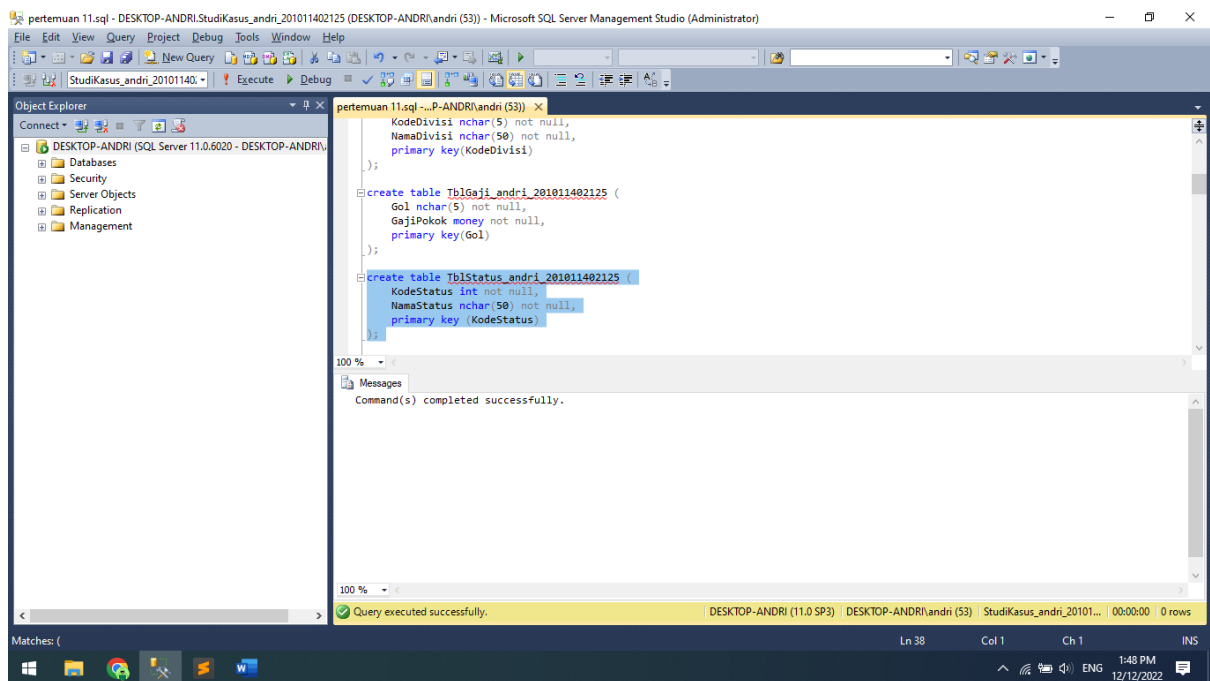
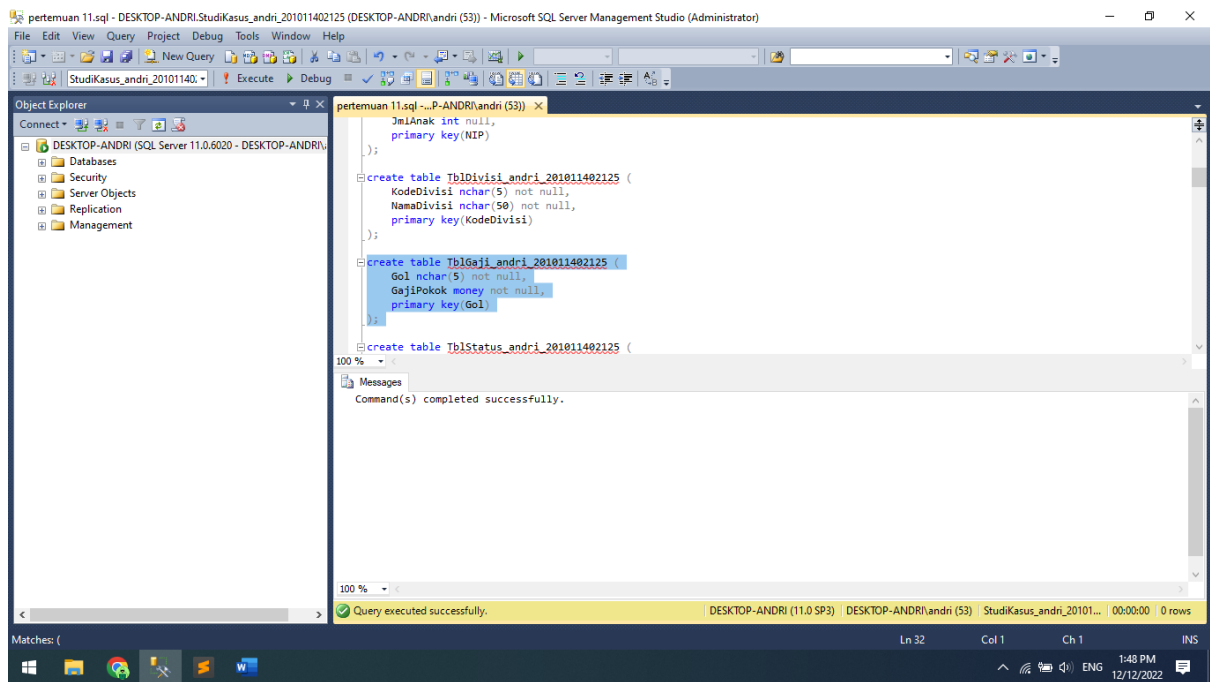
Kelas : 05TPLP016

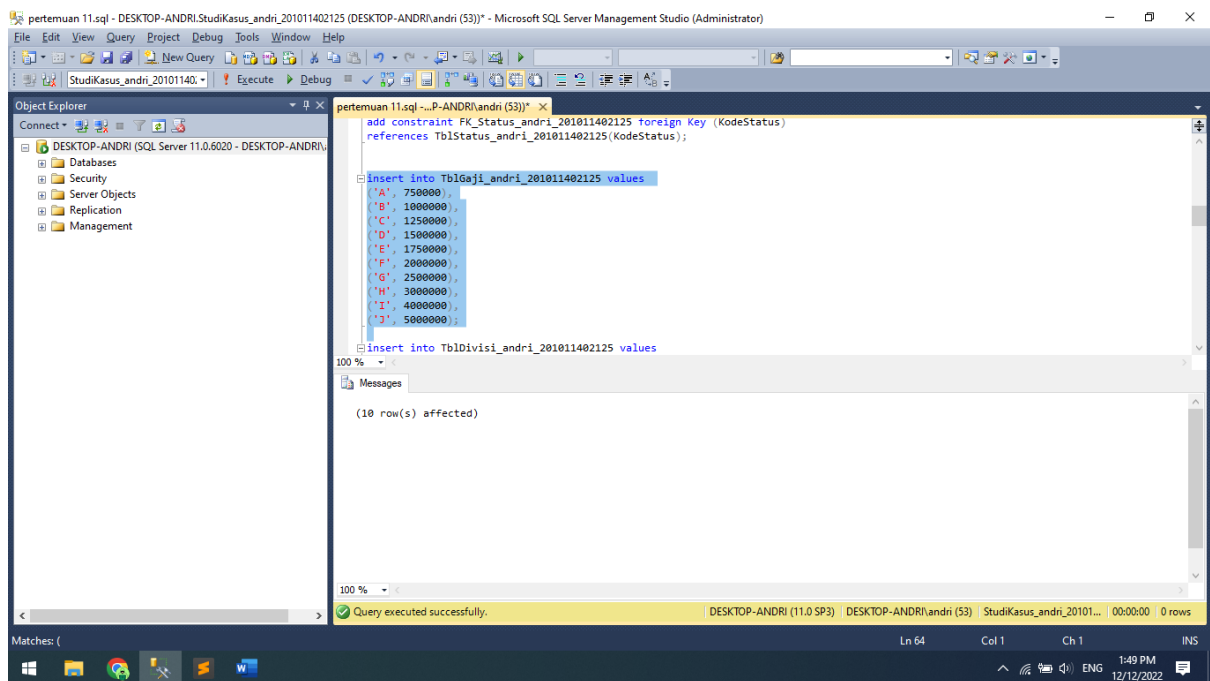
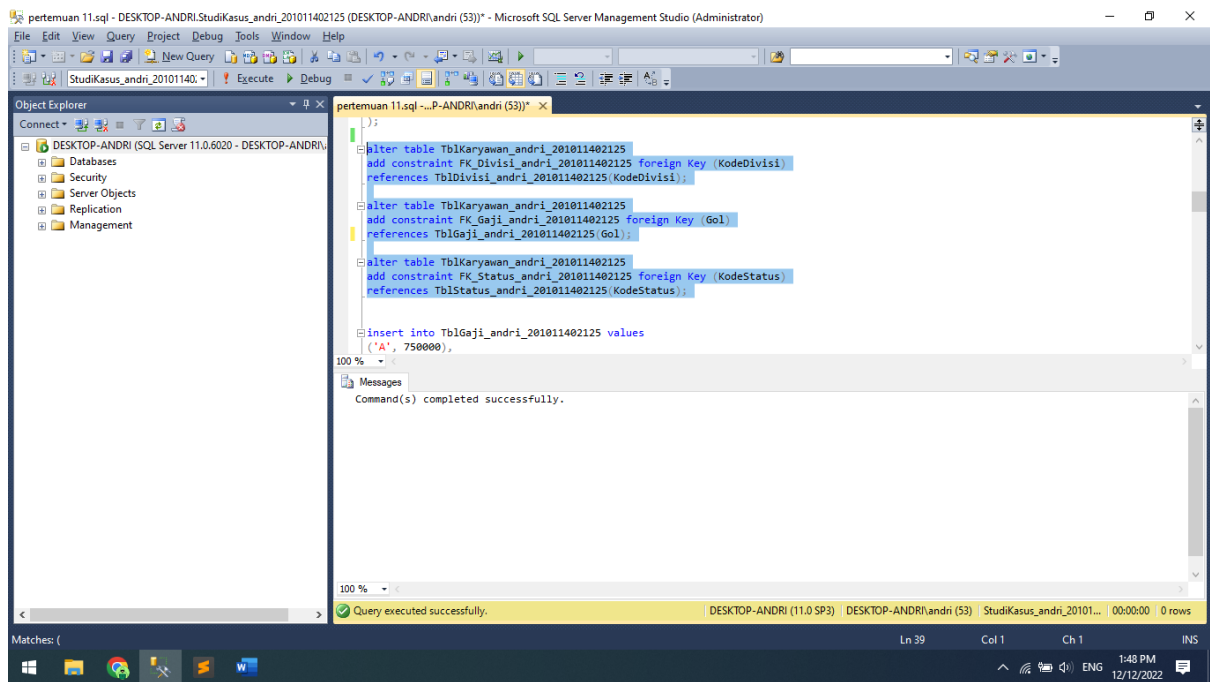
Tugas : Basis Data II – Pertemuan 11

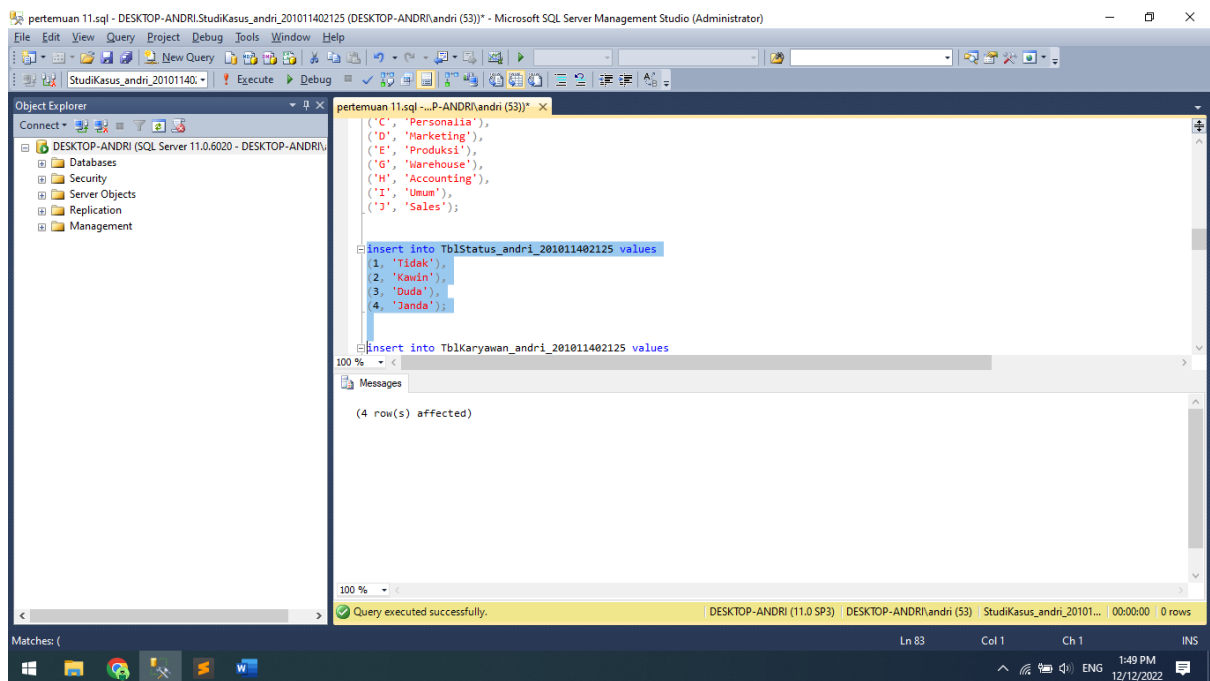
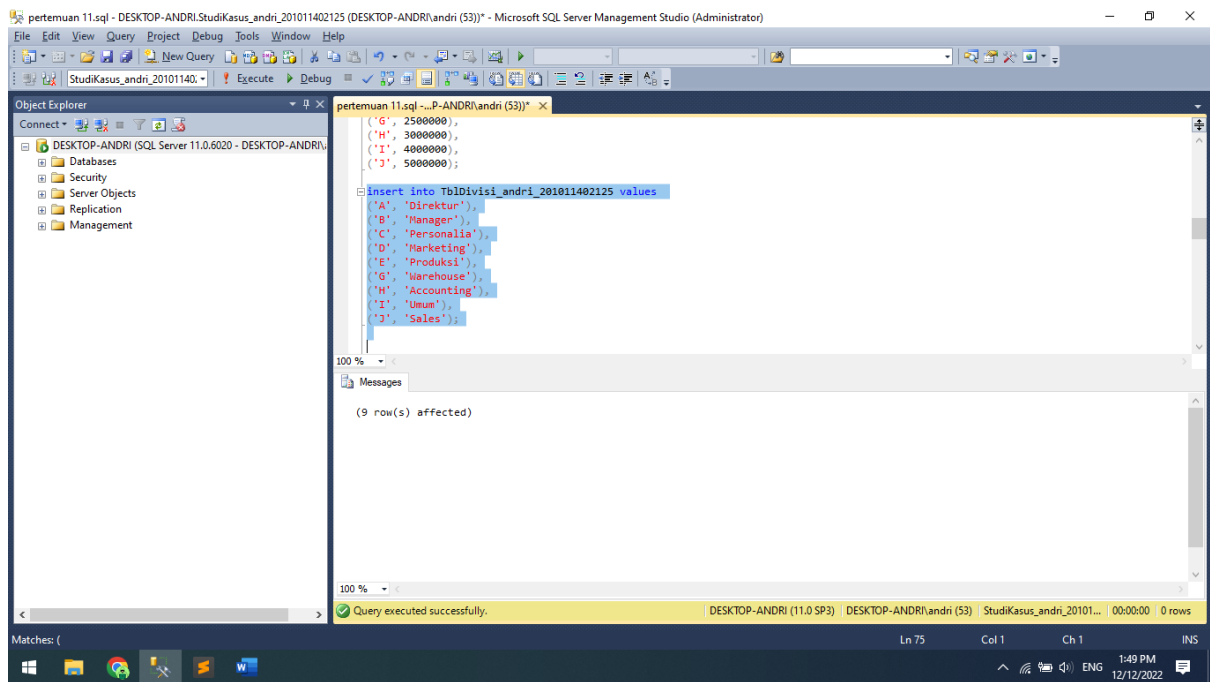
## Study Kasus 1

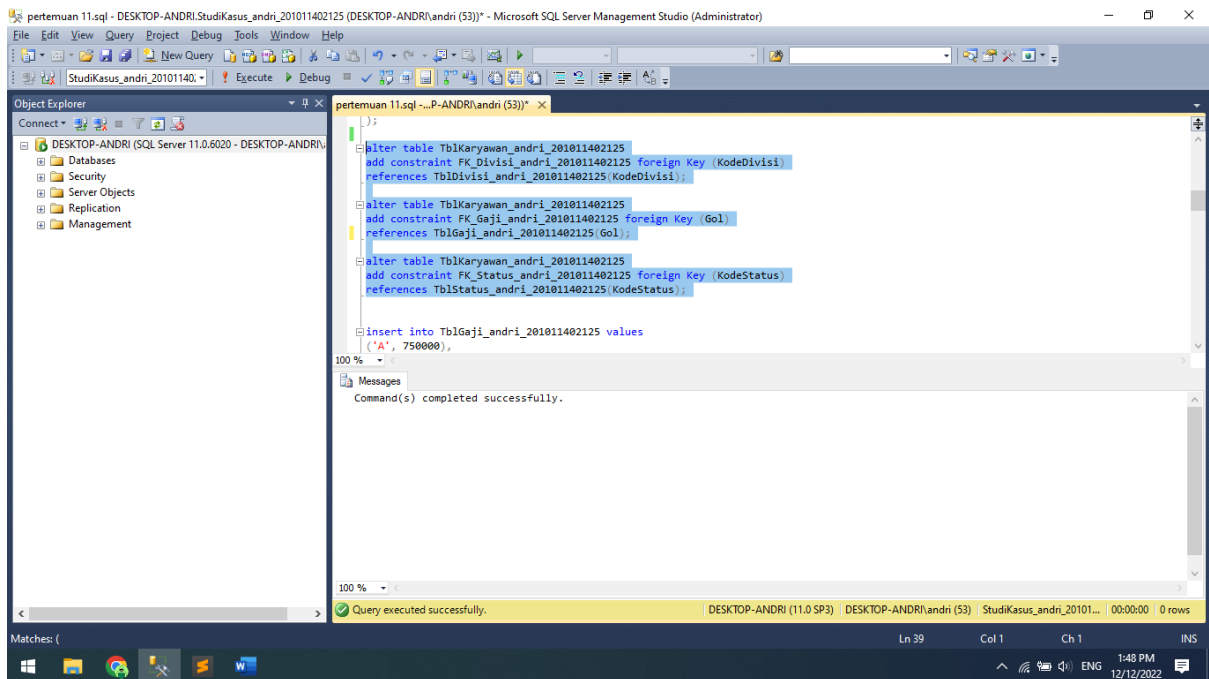
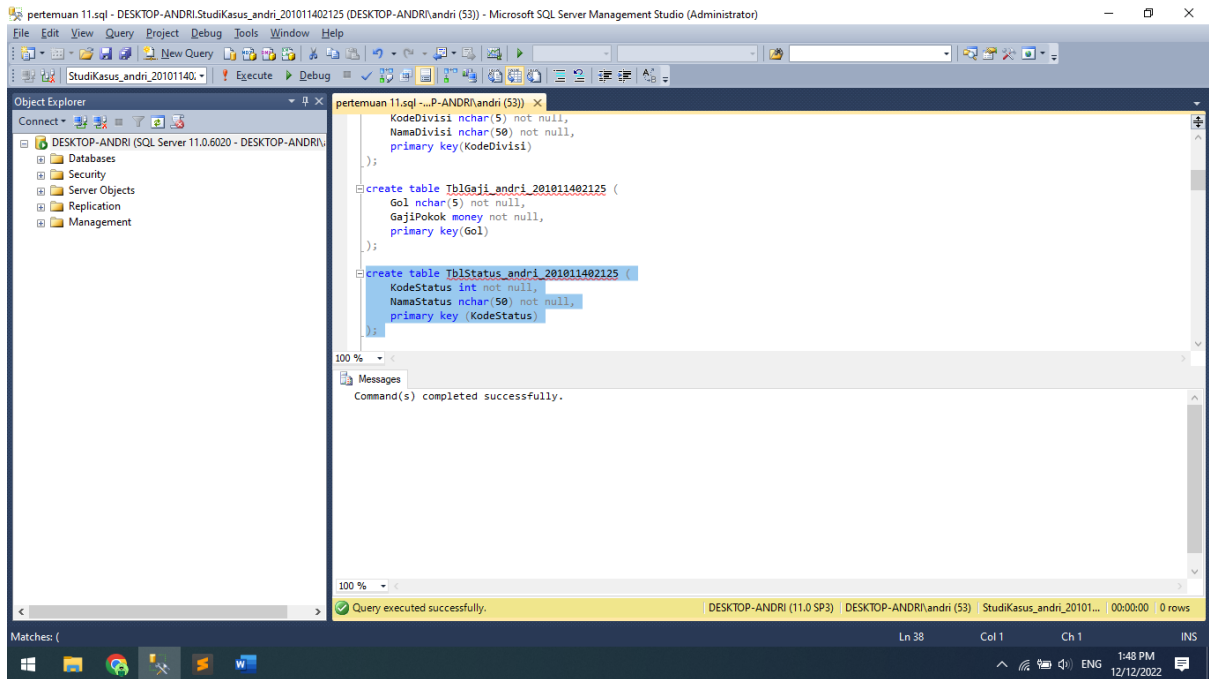


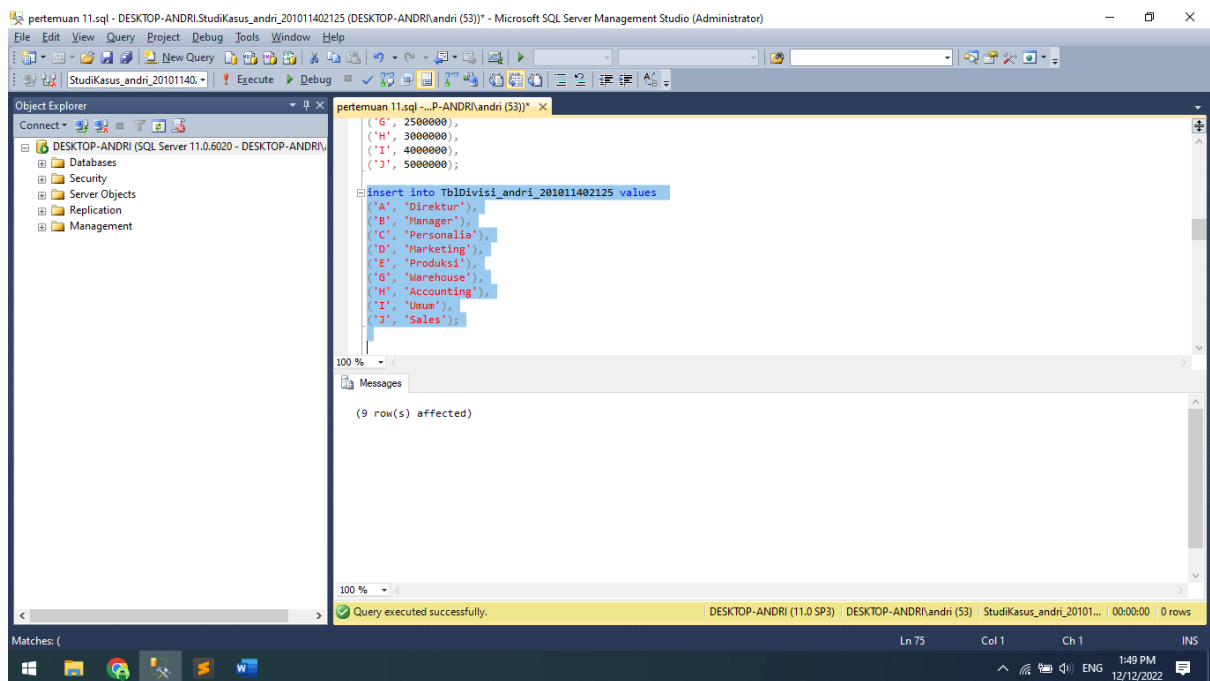
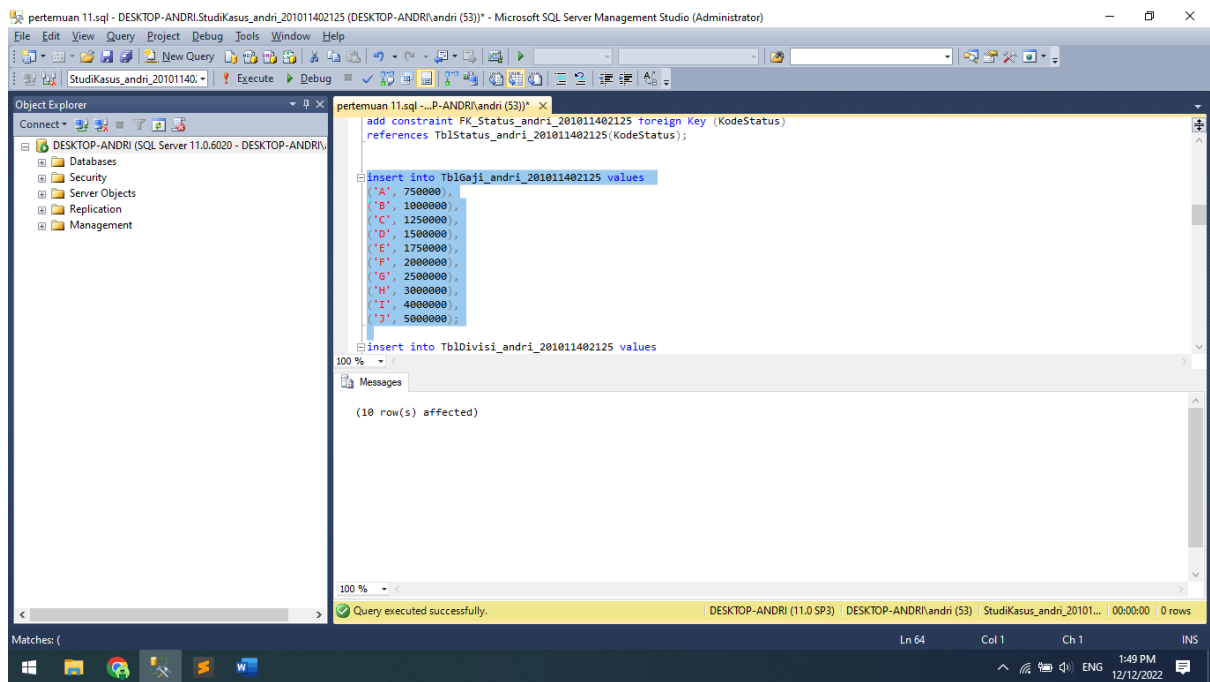


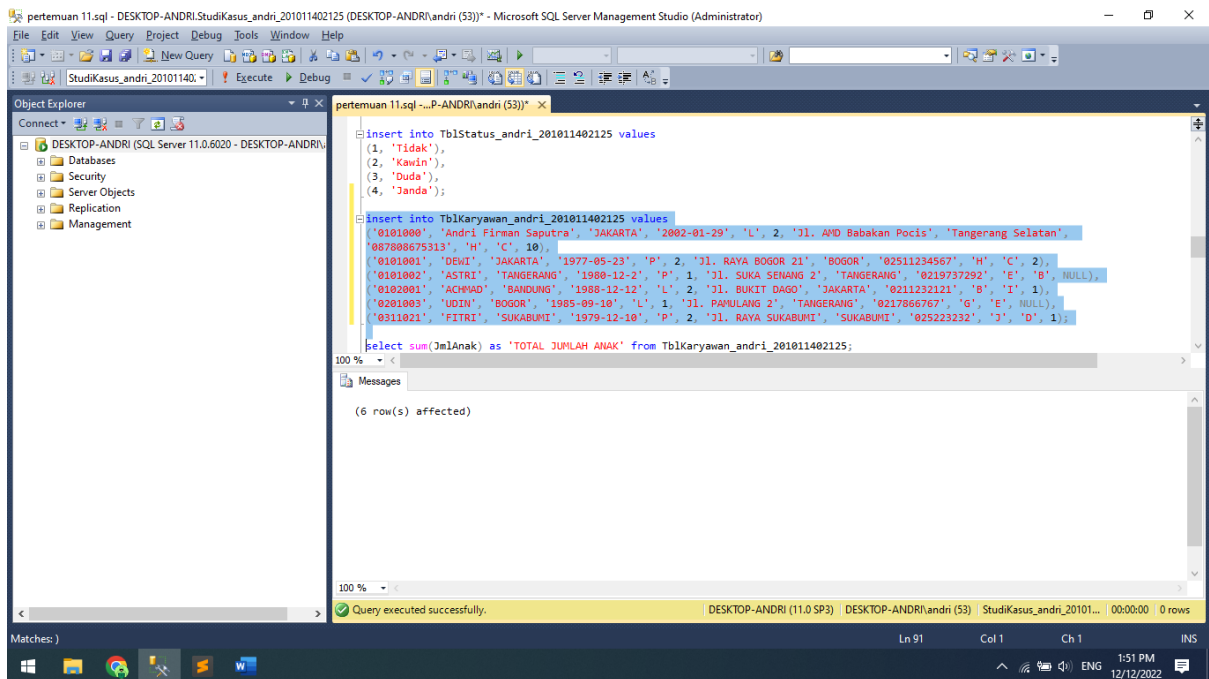
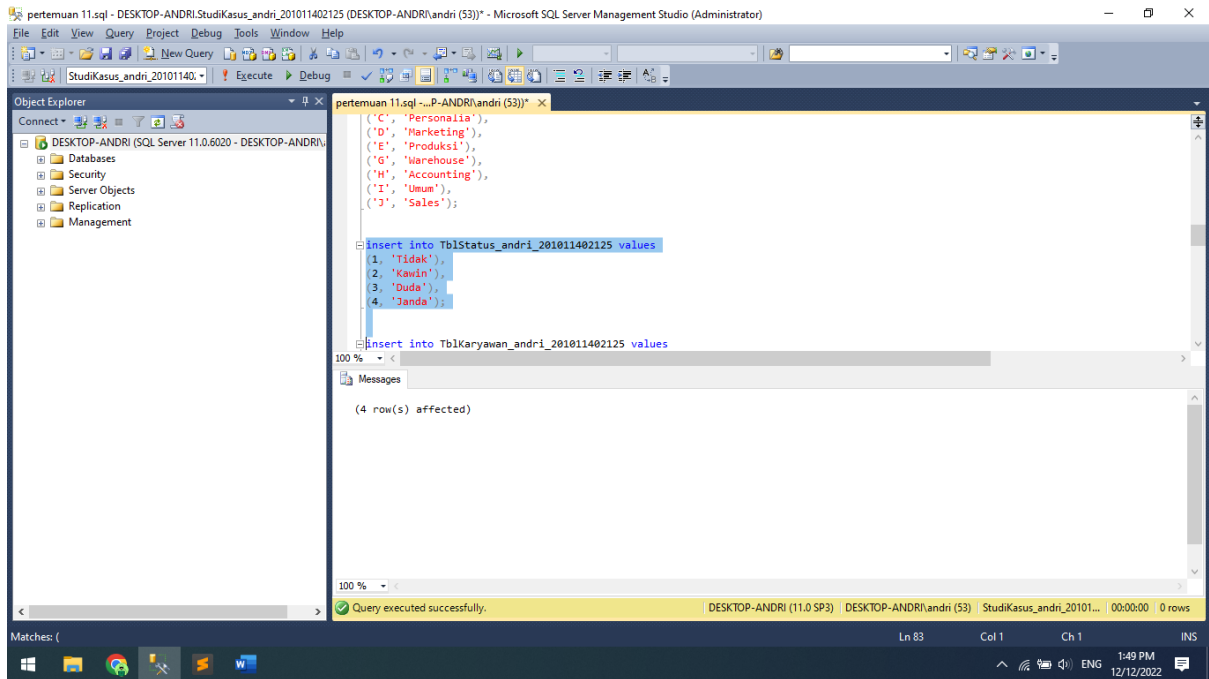














pertemuan 11.sql - DESKTOP-ANDRI\StudiKasus\_andri\_201011402125 (DESKTOP-ANDRI\andri (53)) - Microsoft SQL Server Management Studio (Administrator)

File Edit View Query Project Debug Tools Window Help

Object Explorer

Connect

DESKTOP-ANDRI (SQL Server 11.0.6020 - DESKTOP-ANDRI\andri (53))

Databases

Security

Server Objects

Replication

Management

pertemuan 11.sql - P-ANDRI\andri (53)

```

(1, 'Tidak'),
(2, 'Kawin'),
(3, 'Duda'),
(4, 'Janda');

insert into TblKaryawan_andri_201011402125 values
('0101000', 'Andri Firman Saputra', 'JAKARTA', '2002-01-29', 'L', 2, 'Jl. AND Babakan Poci', 'Tangerang Selatan',
'087808675313', 'H', 'C', 10),
('0101001', 'DEWI', 'JAKARTA', '1977-05-23', 'P', 2, 'Jl. RAYA BOGOR 21', 'BOGOR', '02511234567', 'H', 'C', 2),
('0101002', 'ASTRI', 'TANGERANG', '1988-12-2', 'P', 1, 'Jl. SUKA SENANG 2', 'TANGERANG', '0219737292', 'E', 'B', NULL),
('0102001', 'ACHMAD', 'BANDUNG', '1988-12-12', 'L', 2, 'Jl. BUKIT DAGO', 'JAKARTA', '0211232121', 'B', 'I', 1),
('0201003', 'UDIN', 'BOGOR', '1985-09-10', 'L', 1, 'Jl. PAMULANG 2', 'TANGERANG', '0217866767', 'G', 'E', NULL),
('0311021', 'FITRI', 'SUKABUMI', '1979-12-10', 'P', 2, 'Jl. RAYA SUKABUMI', 'SUKABUMI', '025223232', 'J', 'D', 1);

select sum(JmlAnak) as 'TOTAL JUMLAH ANAK' from TblKaryawan_andri_201011402125;

select count(*) as 'JUMLAH STATUS KAWIN' from TblKaryawan_andri_201011402125 where KodeStatus = '2';

```

100 %

Results Messages

TOTAL JUMLAH ANAK	
1	14

Query executed successfully.

DESKTOP-ANDRI (11.0 SP3) | DESKTOP-ANDRI\andri (53) | StudiKasus\_andri\_20101... | 00:00:00 | 1 rows

Matches:)

Ln 93 Col 1 Ch 1 INS

1:51 PM 12/12/2022

pertemuan 11.sql - DESKTOP-ANDRI\StudiKasus\_andri\_201011402125 (DESKTOP-ANDRI\andri (53)) - Microsoft SQL Server Management Studio (Administrator)

File Edit View Query Project Debug Tools Window Help

Object Explorer

Connect

DESKTOP-ANDRI (SQL Server 11.0.6020 - DESKTOP-ANDRI\andri (53))

Databases

Security

Server Objects

Replication

Management

pertemuan 11.sql - P-ANDRI\andri (53)

```

('0311021', 'FITRI', 'SUKABUMI', '1979-12-10', 'P', 2, 'Jl. RAYA SUKABUMI', 'SUKABUMI', '025223232', 'J', 'D', 1);

select sum(JmlAnak) as 'TOTAL JUMLAH ANAK' from TblKaryawan_andri_201011402125;

select count(*) as 'JUMLAH STATUS KAWIN' from TblKaryawan_andri_201011402125 where KodeStatus = '2';

select NIP, NamaKar, NamaStatus from TblKaryawan_andri_201011402125
inner join TblStatus_andri_201011402125 on TblKaryawan_andri_201011402125.KodeStatus = TblStatus_andri_201011402125.KodeStatus
where TblStatus_andri_201011402125.KodeStatus = 2;

select * from TblKaryawan_andri_201011402125 order by NamaKar desc;

select NIP, NamaKar, JK, TblKaryawan_andri_201011402125.KodeStatus,
TblKaryawan_andri_201011402125.KodeDivisi, TblKaryawan_andri_201011402125.go1, JmlAnak from TblKaryawan_andri_201011402125
inner join TblStatus_andri_201011402125 on TblKaryawan_andri_201011402125.KodeStatus = TblStatus_andri_201011402125.KodeStatus
inner join TblDivisi_andri_201011402125 on TblKaryawan_andri_201011402125.KodeDivisi = TblDivisi_andri_201011402125.KodeDivisi

```

100 %

Results Messages

JUMLAH STATUS KAWIN	
1	4

Query executed successfully.

DESKTOP-ANDRI (11.0 SP3) | DESKTOP-ANDRI\andri (53) | StudiKasus\_andri\_20101... | 00:00:00 | 1 rows

Matches:)

Ln 94 Col 1 Ch 1 INS

1:53 PM 12/12/2022

pertemuan 11.sql - DESKTOP-ANDRI.StudiKasus\_andri\_201011402125 (DESKTOP-ANDRI\andri (53)) - Microsoft SQL Server Management Studio (Administrator)

File Edit View Query Project Debug Tools Window Help

Object Explorer

Connect +

DESKTOP-ANDRI (SQL Server 11.0.6020 - DESKTOP-ANDRI\andri (53))

Databases

Security

Server Objects

Replication

Management

Query Editor

```

('0311021', 'FITRI', 'SUKABUMI', '1979-12-10', 'P', 2, 'Jl. RAYA SUKABUMI', 'SUKABUMI', '025223232', 'J', 'D', 1);

select sum(JmlAnak) as 'TOTAL JUMLAH ANAK' from TblKaryawan_andri_201011402125;

select count(*) as 'JUMLAH STATUS KAWIN' from TblKaryawan_andri_201011402125 where KodeStatus = '2';

select NIP, NamaKar, NamaStatus from TblKaryawan_andri_201011402125
inner join TblStatus_andri_201011402125 on TblKaryawan_andri_201011402125.KodeStatus = TblStatus_andri_201011402125.KodeStatus
where TblStatus_andri_201011402125.KodeStatus = 2;

select * from TblKaryawan_andri_201011402125 order by NamaKar desc;

select NIP, NamaKar, JK, TblKaryawan_andri_201011402125.KodeStatus,
TblKaryawan_andri_201011402125.KodeDivisi, TblKaryawan_andri_201011402125.gol, JmlAnak from TblKaryawan_andri_201011402125
inner join TblStatus_andri_201011402125 on TblKaryawan_andri_201011402125.KodeStatus = TblStatus_andri_201011402125.KodeStatus
inner join TblDivisi_andri_201011402125 on TblKaryawan_andri_201011402125.KodeDivisi = TblDivisi_andri_201011402125.KodeDivisi

```

Results

NIP	NamaKar	NamaStatus
0101000	Andri Fiman Saputra	Kawin
0101001	DEWI	Kawin
0102001	ACHMAD	Kawin
0311021	FITRI	Kawin

Query executed successfully.

DESKTOP-ANDRI (11.0 SP3) | DESKTOP-ANDRI\andri (53) | StudiKasus\_andri\_201011402125 | 00:00:00 | 4 rows

Matches: )

Ln 98 | Col 1 | Ch 1 | INS

1:53 PM 12/12/2022

pertemuan 11.sql - DESKTOP-ANDRI.StudiKasus\_andri\_201011402125 (DESKTOP-ANDRI\andri (53)) - Microsoft SQL Server Management Studio (Administrator)

File Edit View Query Project Debug Tools Window Help

Object Explorer

Connect +

DESKTOP-ANDRI (SQL Server 11.0.6020 - DESKTOP-ANDRI\andri (53))

Databases

Security

Server Objects

Replication

Management

Query Editor

```

('0311021', 'FITRI', 'SUKABUMI', '1979-12-10', 'P', 2, 'Jl. RAYA SUKABUMI', 'SUKABUMI', '025223232', 'J', 'D', 1);

select sum(JmlAnak) as 'TOTAL JUMLAH ANAK' from TblKaryawan_andri_201011402125;

select count(*) as 'JUMLAH STATUS KAWIN' from TblKaryawan_andri_201011402125 where KodeStatus = '2';

select NIP, NamaKar, NamaStatus from TblKaryawan_andri_201011402125
inner join TblStatus_andri_201011402125 on TblKaryawan_andri_201011402125.KodeStatus = TblStatus_andri_201011402125.KodeStatus
where TblStatus_andri_201011402125.KodeStatus = 2;

select * from TblKaryawan_andri_201011402125 order by NamaKar desc;

select NIP, NamaKar, JK, TblKaryawan_andri_201011402125.KodeStatus,
TblKaryawan_andri_201011402125.KodeDivisi, TblKaryawan_andri_201011402125.gol, JmlAnak from TblKaryawan_andri_201011402125
inner join TblStatus_andri_201011402125 on TblKaryawan_andri_201011402125.KodeStatus = TblStatus_andri_201011402125.KodeStatus
inner join TblDivisi_andri_201011402125 on TblKaryawan_andri_201011402125.KodeDivisi = TblDivisi_andri_201011402125.KodeDivisi

```

Results

NIP	NamaKar	TmptLahir	TglLahir	JK	KodeStatus	Alamat	Kota	NoTelp	KodeDivisi	Gol	JmlAnak
0201003	UDIN	BOGOR	1985-09-10 00:00:00.000	L	1	Jl. PAMULANG 2	TANGERANG	0217866767	G	E	NULL
0311021	FITRI	SUKABUMI	1979-12-10 00:00:00.000	P	2	Jl. RAYA SUKABUMI	SUKABUMI	025223232	J	D	1
0101001	DEWI	JAKARTA	1977-05-23 00:00:00.000	P	2	Jl. RAYA BOGOR 21	BOGOR	02511234567	H	C	2
0101002	ASTRI	TANGERANG	1980-12-02 00:00:00.000	P	1	Jl. SUKA SENANG 2	TANGERANG	0219737292	E	B	NULL
0101000	Andri Fiman Saputra	JAKARTA	2002-01-29 00:00:00.000	L	2	Jl. AMD Babakan Pociis	Tangerang Selatan	087808675313	H	C	10
0102001	ACHMAD	BANDUNG	1988-12-12 00:00:00.000	L	2	Jl. BUKIT DAGO	JAKARTA	0211232121	B	I	1

Query executed successfully.

DESKTOP-ANDRI (11.0 SP3) | DESKTOP-ANDRI\andri (53) | StudiKasus\_andri\_201011402125 | 00:00:00 | 6 rows

Matches: )

Ln 101 | Col 1 | Ch 1 | INS

1:53 PM 12/12/2022

pertemuan 11.sql - DESKTOP-ANDRI\StudiKasus\_andri\_201011402125 (DESKTOP-ANDRI\andri (53)) - Microsoft SQL Server Management Studio (Administrator)

File Edit View Query Project Debug Tools Window Help

Object Explorer

Connect +

DESKTOP-ANDRI (SQL Server 11.0.6020 - DESKTOP-ANDRI\andri (53))

Databases

Security

Server Objects

Replication

Management

Query Editor

```

select sum(JmlAnak) as 'TOTAL JUMLAH ANAK' from TblKaryawan_andri_201011402125;

select count(*) as 'JUMLAH STATUS KAWIN' from TblKaryawan_andri_201011402125 where KodeStatus = '2';

select NIP, NamaKar, NamaStatus from TblKaryawan_andri_201011402125
inner join TblStatus_andri_201011402125 on TblKaryawan_andri_201011402125.KodeStatus = TblStatus_andri_201011402125.KodeStatus
where TblStatus_andri_201011402125.KodeStatus = 2;

select * from TblKaryawan_andri_201011402125 order by NamaKar desc;

select NIP, NamaKar, JK, TblKaryawan_andri_201011402125.KodeStatus,
TblKaryawan_andri_201011402125.KodeDivisi, TblKaryawan_andri_201011402125.gol, JmlAnak from TblKaryawan_andri_201011402125
inner join TblStatus_andri_201011402125 on TblKaryawan_andri_201011402125.KodeStatus = TblStatus_andri_201011402125.KodeStatus
inner join TblDivisi_andri_201011402125 on TblKaryawan_andri_201011402125.KodeDivisi = TblDivisi_andri_201011402125.KodeDivisi
inner join TblGaji_andri_201011402125 on TblKaryawan_andri_201011402125.Gol = TblGaji_andri_201011402125.Gol;

```

Results

	NIP	NamaKar	JK	KodeStatus	KodeDivisi	gol	JmlAnak
1	0101000	Andri Fiman Saputra	L	2	H	C	10
2	0101001	DEWI	P	2	H	C	2
3	0101002	ASTRI	P	1	E	B	NULL
4	0102001	ACHMAD	L	2	B	I	1
5	0201003	UDIN	L	1	G	E	NULL
6	0311021	FITRI	P	2	J	D	1

Query executed successfully.

DESKTOP-ANDRI (11.0 SP3) | DESKTOP-ANDRI\andri (53) | StudiKasus\_andri\_201011402125 | 00:00:00 | 6 rows

Matches: )

Ln 107 Col 1 Ch 1 INS

1:54 PM 12/12/2022

pertemuan 11.sql - DESKTOP-ANDRI\StudiKasus\_andri\_201011402125 (DESKTOP-ANDRI\andri (53)) - Microsoft SQL Server Management Studio (Administrator)

File Edit View Query Project Debug Tools Window Help

Object Explorer

Connect +

DESKTOP-ANDRI (SQL Server 11.0.6020 - DESKTOP-ANDRI\andri (53))

Databases

Security

Server Objects

Replication

Management

Query Editor

```

where TblStatus_andri_201011402125.KodeStatus = 2;

select * from TblKaryawan_andri_201011402125 order by NamaKar desc;

select NIP, NamaKar, JK, TblKaryawan_andri_201011402125.KodeStatus,
TblKaryawan_andri_201011402125.KodeDivisi, TblKaryawan_andri_201011402125.gol, JmlAnak from TblKaryawan_andri_201011402125
inner join TblStatus_andri_201011402125 on TblKaryawan_andri_201011402125.KodeStatus = TblStatus_andri_201011402125.KodeStatus
inner join TblDivisi_andri_201011402125 on TblKaryawan_andri_201011402125.KodeDivisi = TblDivisi_andri_201011402125.KodeDivisi
inner join TblGaji_andri_201011402125 on TblKaryawan_andri_201011402125.Gol = TblGaji_andri_201011402125.Gol;

select sum(TblKaryawan_andri_201011402125.JmlAnak) as sum, COUNT(NIP) as cnt from TblKaryawan_andri_201011402125
inner join TblStatus_andri_201011402125 on TblKaryawan_andri_201011402125.KodeStatus = TblStatus_andri_201011402125.KodeStatus
inner join TblDivisi_andri_201011402125 on TblKaryawan_andri_201011402125.KodeDivisi = TblDivisi_andri_201011402125.KodeDivisi
inner join TblGaji_andri_201011402125 on TblKaryawan_andri_201011402125.Gol = TblGaji_andri_201011402125.Gol;

select NIP, NamaKar, TmptLahir, JK, Alamat, Kota, JmlAnak

```

Results

	sum	cnt
1	14	6

Query executed successfully.

DESKTOP-ANDRI (11.0 SP3) | DESKTOP-ANDRI\andri (53) | StudiKasus\_andri\_201011402125 | 00:00:00 | 1 rows

Matches: )

Ln 113 Col 1 Ch 1 INS

1:54 PM 12/12/2022

pertemuan 11.sql - DESKTOP-ANDRI\StudiKasus\_andri\_201011402125 (DESKTOP-ANDRI\andri (53)) - Microsoft SQL Server Management Studio (Administrator)

File Edit View Query Project Debug Tools Window Help

Object Explorer

Connect +

DESKTOP-ANDRI (SQL Server 11.0.6020 - DESKTOP-ANDRI\andri (53))

Databases

Security

Server Objects

Replication

Management

pertemuan 11.sql - P-ANDRI\andri (53)

```

select sum(TblKaryawan_andri_201011402125.JmlAnak) as sum, COUNT(NIP) as cnt
from TblKaryawan_andri_201011402125 where kota = 'jakarta';

select NIP, NamaKar, TmptLahir, JK, Alamat, Kota, JmlAnak
from TblKaryawan_andri_201011402125 where kota = 'sukabumi';

select sum(TblKaryawan_andri_201011402125.JmlAnak) as sum, COUNT(NIP) as cnt
from TblKaryawan_andri_201011402125 where kota = 'jakarta';

```

Results

NIP	NamaKar	TmptLahir	JK	Alamat	Kota	JmlAnak
0101001	DEWI	JAKARTA	P	J. RAYA BOGOR 21	BOGOR	2
sum	cnt					
1	2					1
0102001	ACHMAD	BANDUNG	L	J. BUKIT DAGO	JAKARTA	1
sum	cnt					
1	1					1
0311021	FITRI	SUKABUMI	P	J. RAYA SUKABUMI	SUKABUMI	1
sum	cnt					
1	1					1
0101002	ASTRI	TANGERANG	P	J. SUKA SENANG 2	TANGERANG	NULL
0201003	UDIN	BOGOR	L	J. PAMULANG 2	TANGERANG	NULL
sum	cnt					
1	2					0

Query executed successfully.

DESKTOP-ANDRI (11.0 SP3) | DESKTOP-ANDRI\andri (53) | StudiKasus\_andri\_20101... | 00:00:00 | 9 rows

Matches: )

Ln 137 | Col 1 | Ch 1 | INS

1:54 PM 12/12/2022

pertemuan 11.sql - DESKTOP-ANDRI\StudiKasus\_andri\_201011402125 (DESKTOP-ANDRI\andri (53)) - Microsoft SQL Server Management Studio (Administrator)

File Edit View Query Project Debug Tools Window Help

Object Explorer

Connect +

DESKTOP-ANDRI (SQL Server 11.0.6020 - DESKTOP-ANDRI\andri (53))

Databases

Security

Server Objects

Replication

Management

pertemuan 11.sql - P-ANDRI\andri (53)

```

select sum(TblKaryawan_andri_201011402125.JmlAnak) as sum, COUNT(NIP) as cnt
from TblKaryawan_andri_201011402125 where kota = 'jakarta';

select NIP, NamaKar, TmptLahir, JK, Alamat, Kota, JmlAnak
from TblKaryawan_andri_201011402125 where kota = 'sukabumi';

select sum(TblKaryawan_andri_201011402125.JmlAnak) as sum, COUNT(NIP) as cnt
from TblKaryawan_andri_201011402125 where kota = 'sukabumi';

select NIP, NamaKar, TmptLahir, JK, Alamat, Kota, JmlAnak
from TblKaryawan_andri_201011402125 where kota = 'tangerang';

select sum(TblKaryawan_andri_201011402125.JmlAnak) as sum, COUNT(NIP) as cnt
from TblKaryawan_andri_201011402125 where kota = 'tangerang';

select TblGaji_andri_201011402125.Gol, count(NIP) as 'Jml Karyawan' from TblKaryawan_andri_201011402125
inner join TblGaji_andri_201011402125 on
TblKaryawan_andri_201011402125.Gol = TblGaji_andri_201011402125.gol
where KodeStatus = '2' and kota = 'jakarta' or kota = 'sukabumi' group by TblGaji_andri_201011402125.gol;

select kota, JmlAnak from TblKaryawan_andri_201011402125 where KodeDivisi = 'B';

```

Results

Gol	Jml Karyawan
D	1
I	1

Query executed successfully.

DESKTOP-ANDRI (11.0 SP3) | DESKTOP-ANDRI\andri (53) | StudiKasus\_andri\_20101... | 00:00:00 | 2 rows

Matches: )

Ln 142 | Col 1 | Ch 1 | INS

1:55 PM 12/12/2022

Microsoft SQL Server Management Studio (Administrator) window showing a query execution in the 'pertemuan 11.sql' file.

**Object Explorer:** Shows the database structure for 'DESKTOP-ANDRI (SQL Server 11.0.6020 - DESKTOP-ANDRI)'. The 'Databases' folder is expanded, showing 'StudiKasus\_andri\_201011402125'.

**Query Editor:** Contains the following SQL query:

```

select NIP, NamaKar, TmptLahir, JK, Alamat, Kota, JmlAnak
from TblKaryawan_andri_201011402125 where kota = 'sukabumi';

select sum(TblKaryawan_andri_201011402125.JmlAnak) as sum, COUNT(NIP) as cnt
from TblKaryawan_andri_201011402125 where kota = 'sukabumi';

select NIP, NamaKar, TmptLahir, JK, Alamat, Kota, JmlAnak
from TblKaryawan_andri_201011402125 where kota = 'tangerang';

select sum(TblKaryawan_andri_201011402125.JmlAnak) as sum, COUNT(NIP) as cnt
from TblKaryawan_andri_201011402125 where kota = 'tangerang';

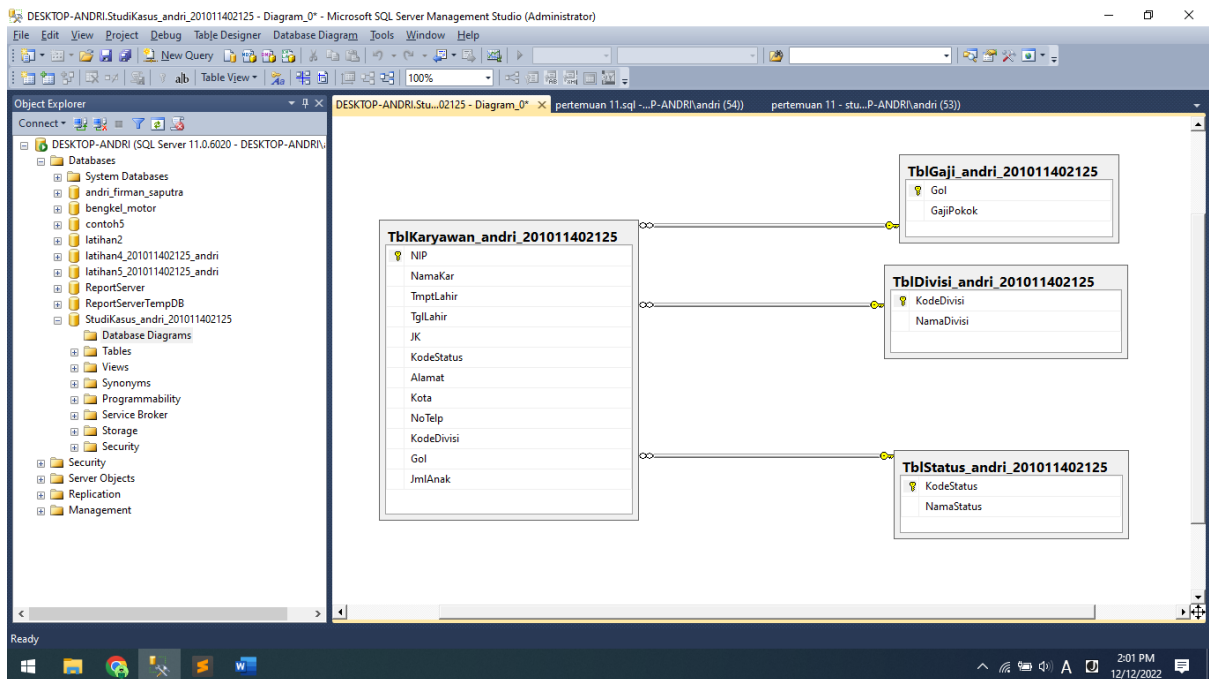
select TblGaji_andri_201011402125.Gol, count(NIP) as 'Jml Karyawan' from TblKaryawan_andri_201011402125
inner join TblGaji_andri_201011402125 on
TblKaryawan_andri_201011402125.Gol = TblGaji_andri_201011402125.gol
where KodeStatus = '2' and kota = 'jakarta' or kota = 'sukabumi' group by TblGaji_andri_201011402125.gol;

select kota, JmlAnak from TblKaryawan_andri_201011402125 where KodeDivisi = 'B';
  
```

**Results:** The query executed successfully, returning 1 row:

kota	JmlAnak
JAKARTA	1

**Status Bar:** Query executed successfully. DESKTOP-ANDRI (11.0 SP3) | DESKTOP-ANDRI(Andri (53)) | StudiKasus\_andri\_201011... | 00:00:00 | 1 rows



Source Code study kasus 1:

```
create database StudiKasus_andri_201011402125;
```

```
use StudiKasus_andri_201011402125;
```

```
create table TblKaryawan_andri_201011402125 (  
    NIP nchar(10) not null,  
    NamaKar nchar(50) not null,  
    TmptLahir nchar(50) not null,  
    TglLahir datetime not null,  
    JK nchar(1) not null,  
    KodeStatus int not null,  
    Alamat text not null,  
    Kota nchar(50) not null,  
    NoTelp nchar(20) not null,  
    KodeDivisi nchar(5) not null,  
    Gol nchar(5) not null,  
    JmlAnak int null,  
    primary key(NIP)  
);
```

```
create table TblDivisi_andri_201011402125 (  
    KodeDivisi nchar(5) not null,  
    NamaDivisi nchar(50) not null,  
    primary key(KodeDivisi)  
);
```

```
create table TblGaji_andri_201011402125 (  
    Gol nchar(5) not null,  
    GajiPokok money not null,  
    primary key(Gol)  
);
```

```
create table TblStatus_andri_201011402125 (  
    KodeStatus int not null,  
    NamaStatus nchar(50) not null,  
    primary key (KodeStatus)  
);
```

```
alter table TblKaryawan_andri_201011402125  
add constraint FK_Divisi_andri_201011402125 foreign Key (KodeDivisi)
```

```
references TblDivisi_andri_201011402125(KodeDivisi);
```

```
alter table TblKaryawan_andri_201011402125
```

```
add constraint FK_Gaji_andri_201011402125 foreign Key (Gol)
```

```
references TblGaji_andri_201011402125(Gol);
```

```
alter table TblKaryawan_andri_201011402125
```

```
add constraint FK_Status_andri_201011402125 foreign Key (KodeStatus)
```

```
references TblStatus_andri_201011402125(KodeStatus);
```

```
insert into TblGaji_andri_201011402125 values
```

```
( 'A', 750000),  
( 'B', 1000000),  
( 'C', 1250000),  
( 'D', 1500000),  
( 'E', 1750000),  
( 'F', 2000000),  
( 'G', 2500000),  
( 'H', 3000000),  
( 'I', 4000000),  
( 'J', 5000000);
```

```
insert into TblDivisi_andri_201011402125 values
```

```
( 'A', 'Direktur'),  
( 'B', 'Managen'),  
( 'C', 'Personalia'),  
( 'D', 'Marketing'),  
( 'E', 'Produksi'),  
( 'G', 'Warehouse'),  
( 'H', 'Accounting'),  
( 'I', 'Umum'),  
( 'J', 'Sales');
```

```
insert into TblStatus_andri_201011402125 values
```

```
(1, 'Tidak'),  
(2, 'Kawin'),  
(3, 'Duda'),  
(4, 'Janda');
```

```
insert into TblKaryawan_andri_201011402125 values
```

```
( '0101000', 'Andri Firman Saputra', 'JAKARTA', '2002-01-29', 'L', 2, 'Jl. AMD Babakan
Pocis', 'Tangerang Selatan',
'087808675313', 'H', 'C', 10),
( '0101001', 'DEWI', 'JAKARTA', '1977-05-23', 'P', 2, 'Jl. RAYA BOGOR 21', 'BOGOR',
'02511234567', 'H', 'C', 2),
( '0101002', 'ASTRI', 'TANGERANG', '1980-12-2', 'P', 1, 'Jl. SUKA SENANG 2',
'TANGERANG', '0219737292', 'E', 'B', NULL),
( '0102001', 'ACHMAD', 'BANDUNG', '1988-12-12', 'L', 2, 'Jl. BUKIT DAGO', 'JAKARTA',
'0211232121', 'B', 'I', 1),
( '0201003', 'UDIN', 'BOGOR', '1985-09-10', 'L', 1, 'Jl. PAMULANG 2', 'TANGERANG',
'0217866767', 'G', 'E', NULL),
( '0311021', 'FITRI', 'SUKABUMI', '1979-12-10', 'P', 2, 'Jl. RAYA SUKABUMI', 'SUKABUMI',
'025223232', 'J', 'D', 1);
```

```
select sum(JmlAnak) as 'TOTAL JUMLAH ANAK' from TblKaryawan_andri_201011402125;
```

```
select count(*) as 'JUMLAH STATUS KAWIN' from TblKaryawan_andri_201011402125 where
KodeStatus = '2';
```

```
select NIP, NamaKar, NamaStatus from TblKaryawan_andri_201011402125
inner join TblStatus_andri_201011402125 on TblKaryawan_andri_201011402125.KodeStatus =
TblStatus_andri_201011402125.KodeStatus
where TblStatus_andri_201011402125.KodeStatus = 2;
```

```
select * from TblKaryawan_andri_201011402125 order by NamaKar desc;
```

```
select NIP, NamaKar, JK, TblKaryawan_andri_201011402125.KodeStatus,
TblKaryawan_andri_201011402125.KodeDivisi, TblKaryawan_andri_201011402125.gol, JmlAnak
from TblKaryawan_andri_201011402125
inner join TblStatus_andri_201011402125 on TblKaryawan_andri_201011402125.KodeStatus =
TblStatus_andri_201011402125.KodeStatus
inner join TblDivisi_andri_201011402125 on TblKaryawan_andri_201011402125.KodeDivisi =
TblDivisi_andri_201011402125.KodeDivisi
inner join TblGaji_andri_201011402125 on TblKaryawan_andri_201011402125.Gol =
TblGaji_andri_201011402125.Gol;
```

```
select sum(TblKaryawan_andri_201011402125.JmlAnak) as sum, COUNT(NIP) as cnt from
TblKaryawan_andri_201011402125
inner join TblStatus_andri_201011402125 on TblKaryawan_andri_201011402125.KodeStatus =
TblStatus_andri_201011402125.KodeStatus
```



```
inner join TblDivisi_andri_201011402125 on TblKaryawan_andri_201011402125.KodeDivisi =  
TblDivisi_andri_201011402125.KodeDivisi  
inner join TblGaji_andri_201011402125 on TblKaryawan_andri_201011402125.Gol =  
TblGaji_andri_201011402125.Gol;
```

```
select NIP, NamaKar, TmptLahir, JK, Alamat, Kota, JmlAnak  
from TblKaryawan_andri_201011402125 where kota = 'bogor';
```

```
select sum(TblKaryawan_andri_201011402125.JmlAnak) as sum, COUNT(NIP) as cnt  
from TblKaryawan_andri_201011402125 where kota = 'bogor';
```

```
select NIP, NamaKar, TmptLahir, JK, Alamat, Kota, JmlAnak  
from TblKaryawan_andri_201011402125 where kota = 'jakarta';
```

```
select sum(TblKaryawan_andri_201011402125.JmlAnak) as sum, COUNT(NIP) as cnt  
from TblKaryawan_andri_201011402125 where kota = 'jakarta';
```

```
select NIP, NamaKar, TmptLahir, JK, Alamat, Kota, JmlAnak  
from TblKaryawan_andri_201011402125 where kota = 'sukabumi';
```

```
select sum(TblKaryawan_andri_201011402125.JmlAnak) as sum, COUNT(NIP) as cnt  
from TblKaryawan_andri_201011402125 where kota = 'sukabumi';
```

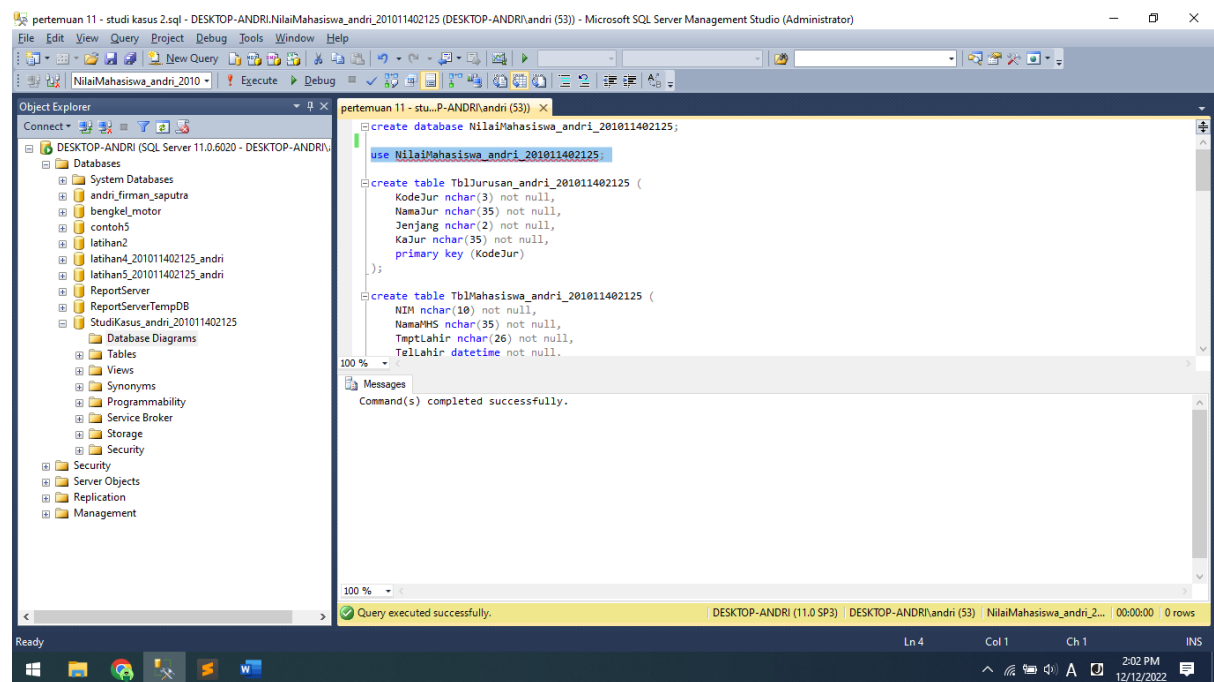
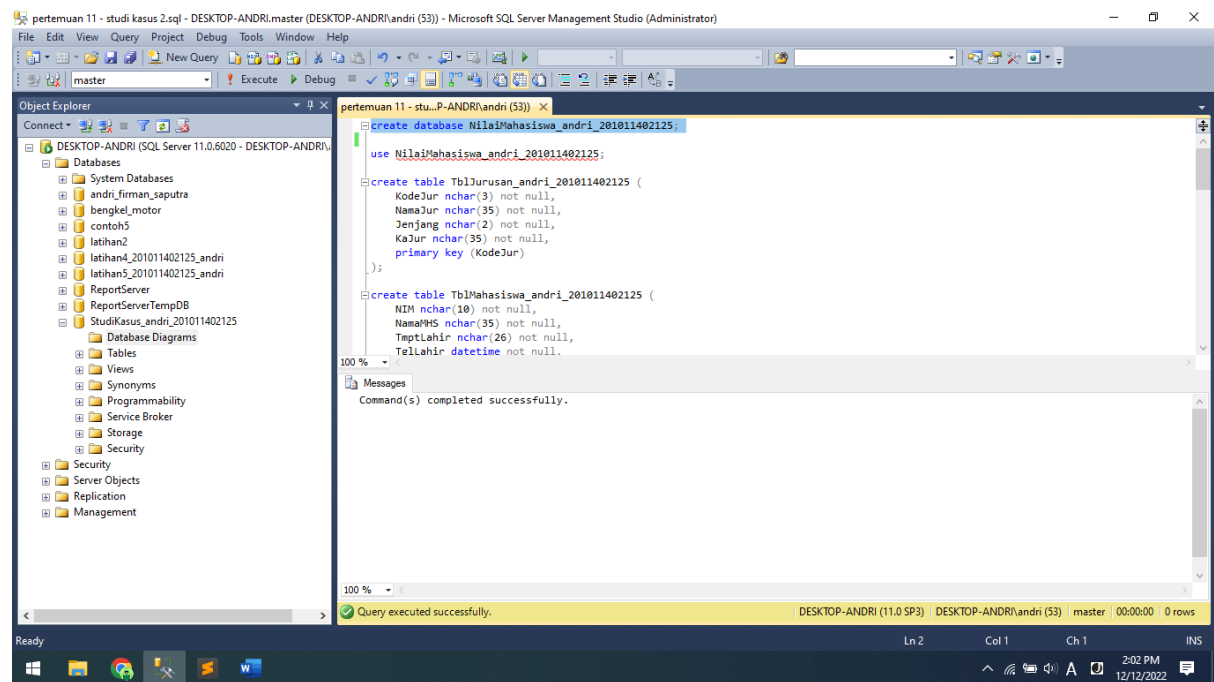
```
select NIP, NamaKar, TmptLahir, JK, Alamat, Kota, JmlAnak  
from TblKaryawan_andri_201011402125 where kota = 'tangerang';
```

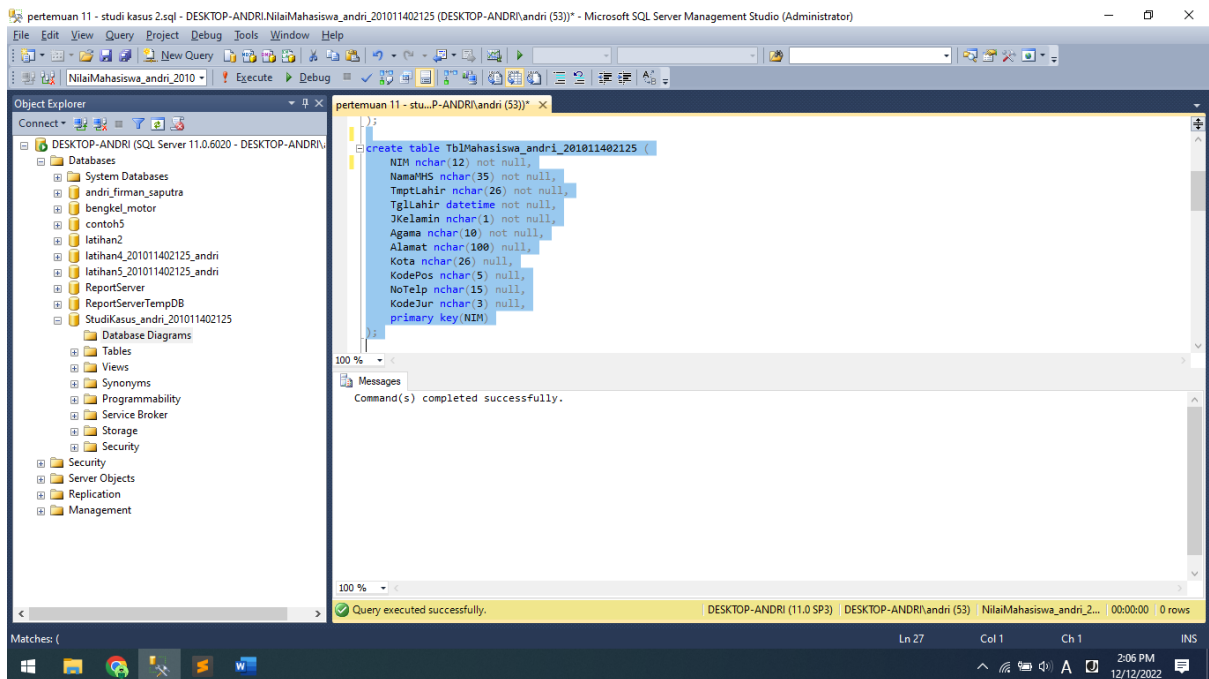
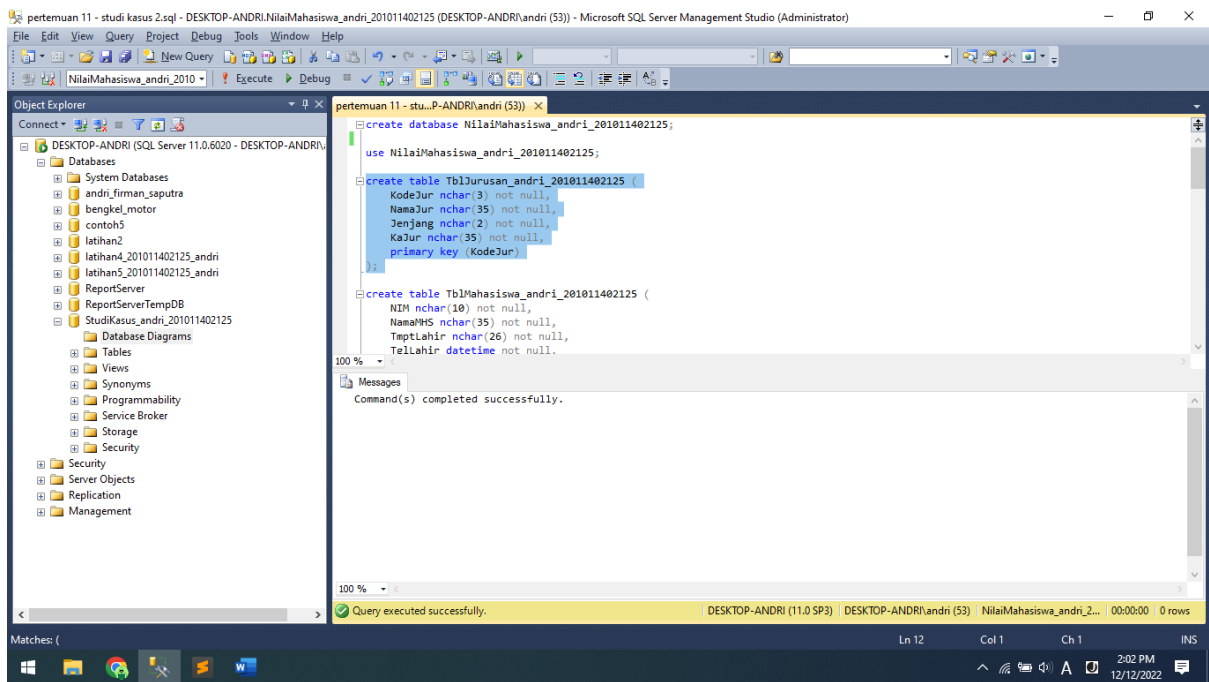
```
select sum(TblKaryawan_andri_201011402125.JmlAnak) as sum, COUNT(NIP) as cnt  
from TblKaryawan_andri_201011402125 where kota = 'tangerang';
```

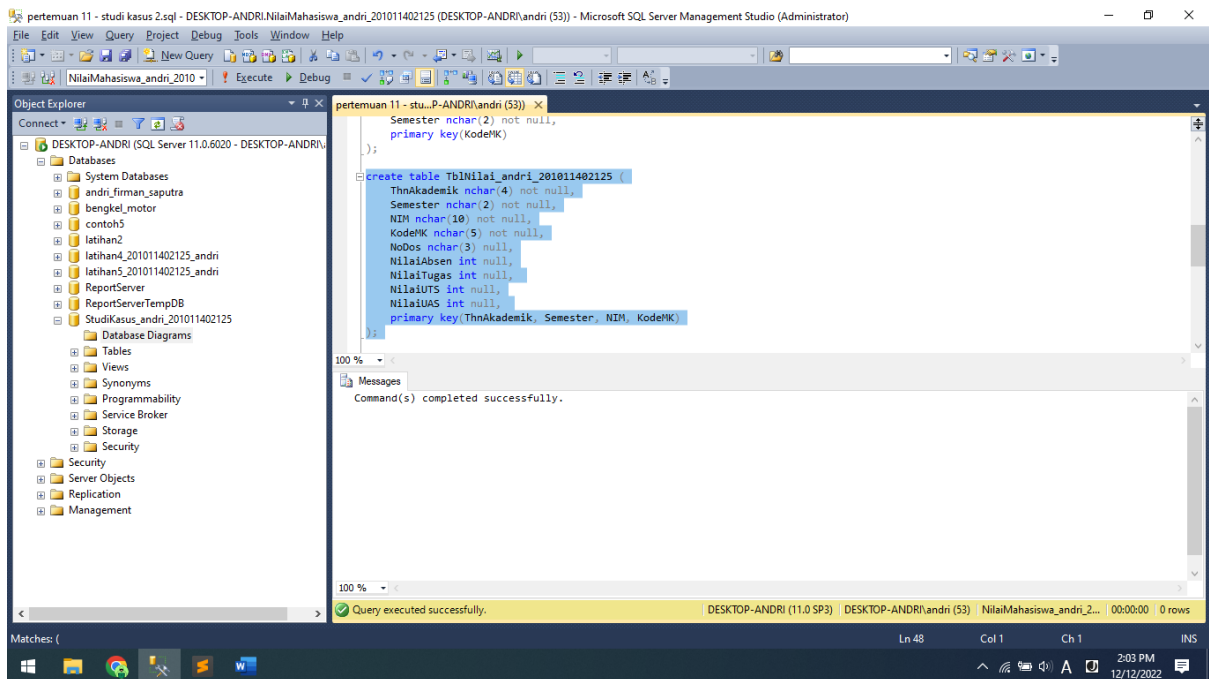
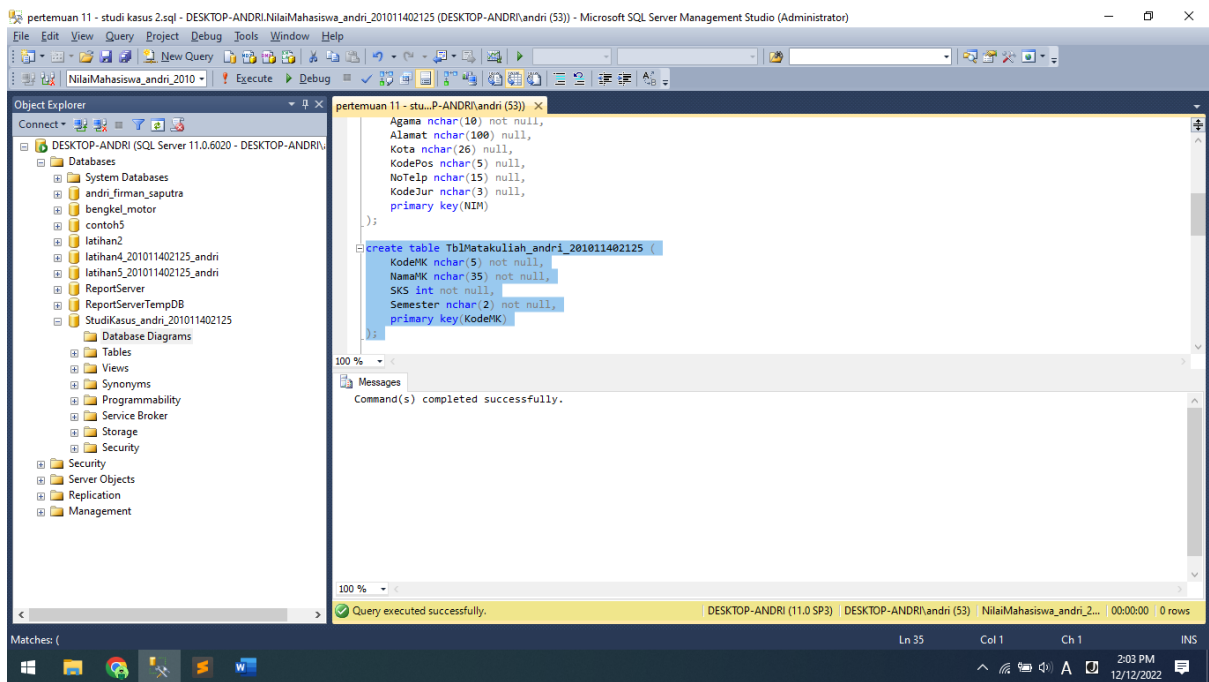
```
select TblGaji_andri_201011402125.Gol, count(NIP) as 'Jml Karyawan' from  
TblKaryawan_andri_201011402125  
inner join TblGaji_andri_201011402125 on  
TblKaryawan_andri_201011402125.Gol = TblGaji_andri_201011402125.gol  
where KodeStatus = '2' and kota = 'jakarta' or kota = 'sukabumi' group by  
TblGaji_andri_201011402125.gol;
```

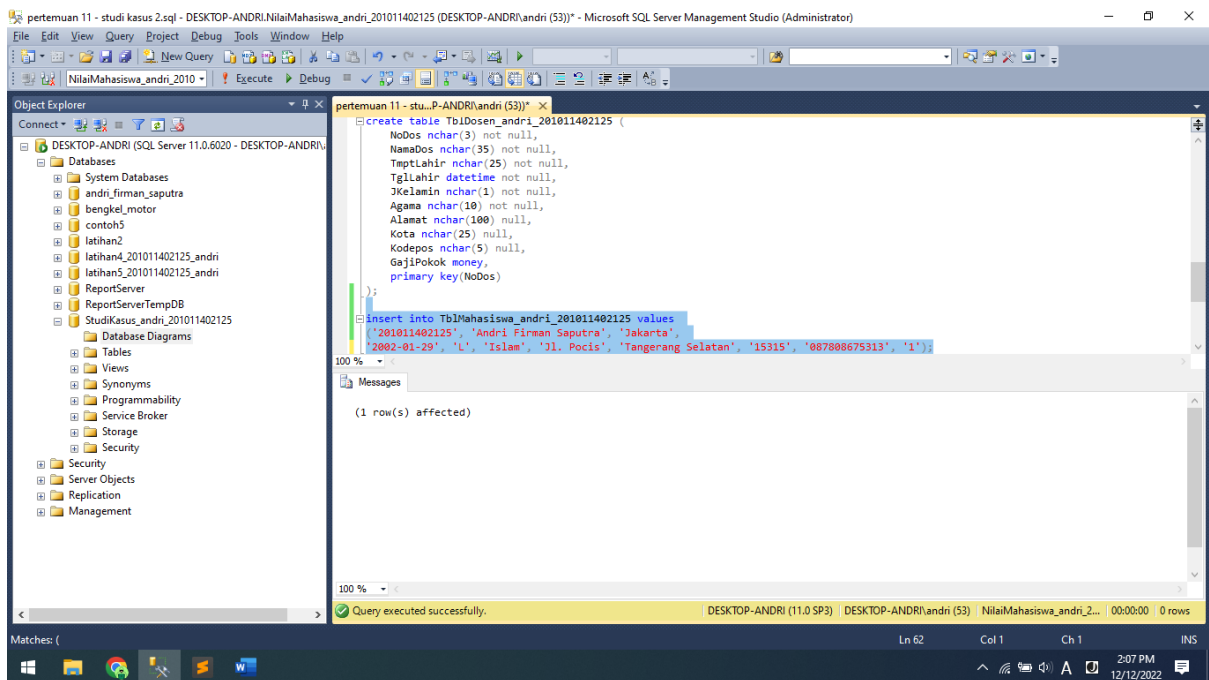
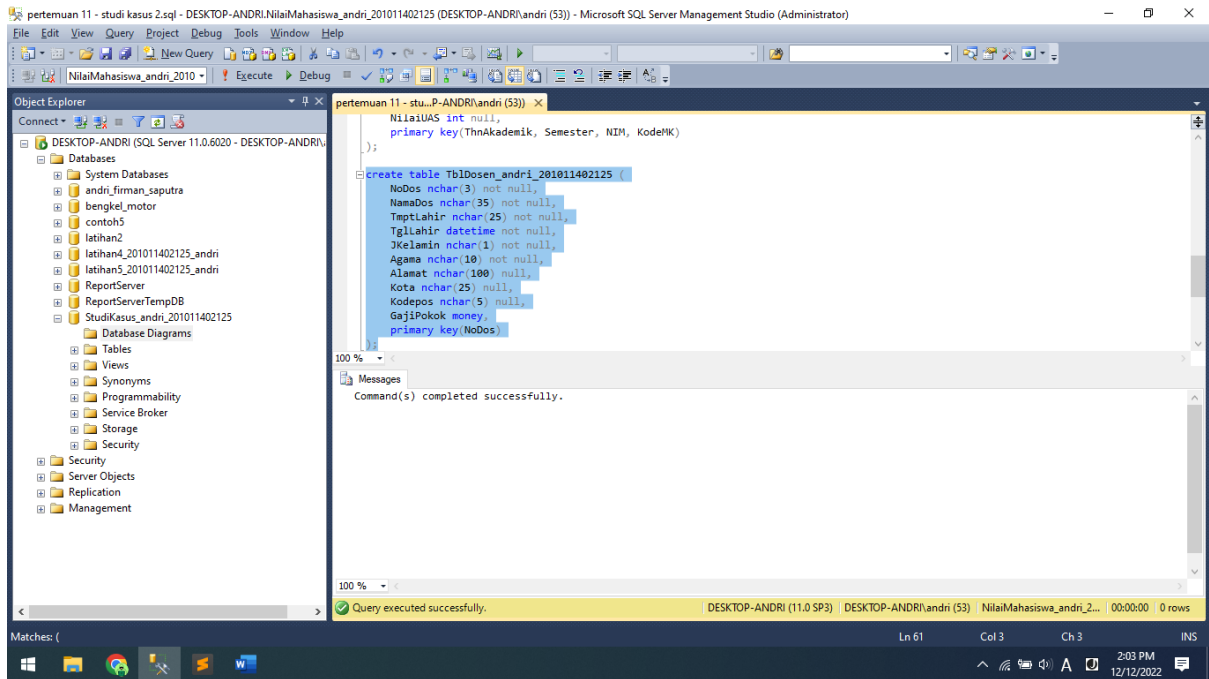
```
select kota, JmlAnak from TblKaryawan_andri_201011402125 where KodeDivisi = 'B';
```

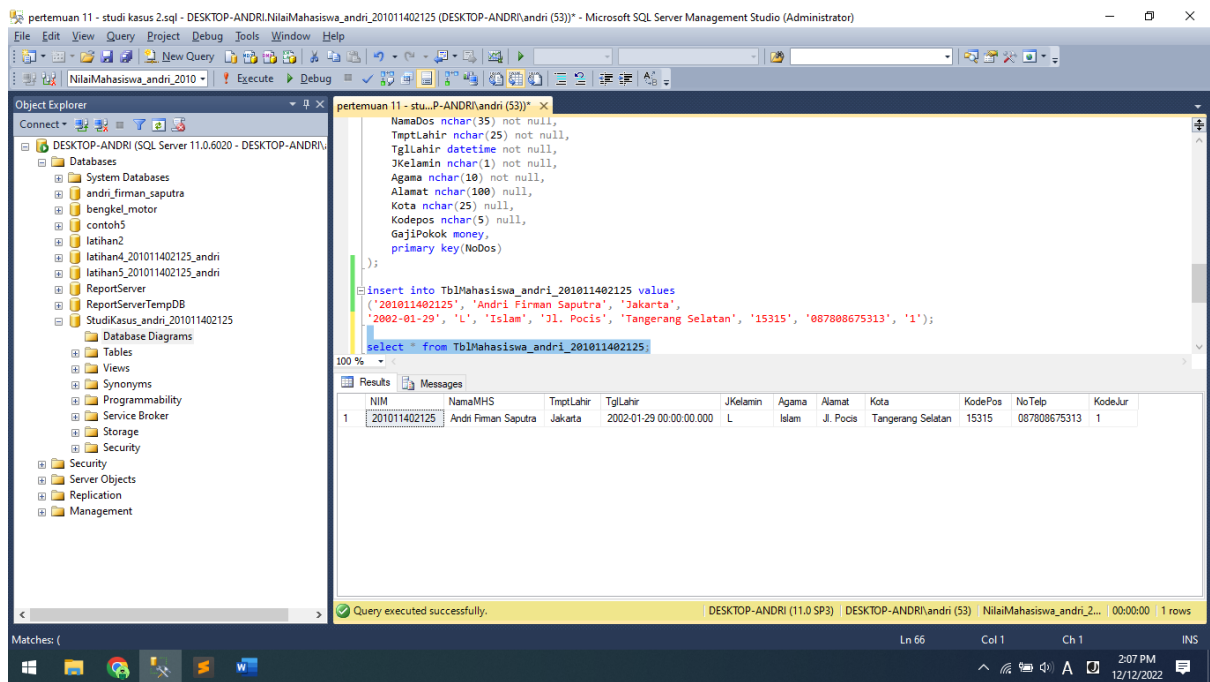
## Study Kasus 2











Source Code:

```
create database NilaiMahasiswa_andri_201011402125;
```

```
use NilaiMahasiswa_andri_201011402125;
```

```
create table TblJurusan_andri_201011402125 (
    KodeJur nchar(3) not null,
    NamaJur nchar(35) not null,
    Jenjang nchar(2) not null,
    KaJur nchar(35) not null,
    primary key (KodeJur)
);
```

```
create table TblMahasiswa_andri_201011402125 (
    NIM nchar(12) not null,
    NamaMHS nchar(35) not null,
    TmptLahir nchar(26) not null,
    TglLahir datetime not null,
    JKelamin nchar(1) not null,
    Agama nchar(10) not null,
    Alamat nchar(100) null,
    Kota nchar(26) null,
    KodePos nchar(5) null,
    NoTelp nchar(15) null,
    KodeJur nchar(3) null,
```

```
primary key(NIM)
);
```

```
create table TblMatakuliah_andri_201011402125 (
    KodeMK nchar(5) not null,
    NamaMK nchar(35) not null,
    SKS int not null,
    Semester nchar(2) not null,
    primary key(KodeMK)
);
```

```
create table TblNilai_andri_201011402125 (
    ThnAkademik nchar(4) not null,
    Semester nchar(2) not null,
    NIM nchar(10) not null,
    KodeMK nchar(5) not null,
    NoDos nchar(3) null,
    NilaiAbsen int null,
    NilaiTugas int null,
    NilaiUTS int null,
    NilaiUAS int null,
    primary key(ThnAkademik, Semester, NIM, KodeMK)
);
```

```
create table TblDosen_andri_201011402125 (
    NoDos nchar(3) not null,
    NamaDos nchar(35) not null,
    TmptLahir nchar(25) not null,
    TglLahir datetime not null,
    JKelamin nchar(1) not null,
    Agama nchar(10) not null,
    Alamat nchar(100) null,
    Kota nchar(25) null,
    Kodepos nchar(5) null,
    GajiPokok money,
    primary key(NoDos)
);
```

```
insert into TblMahasiswa_andri_201011402125 values
('201011402125', 'Andri Firman Saputra', 'Jakarta',
'2002-01-29', 'L', 'Islam', 'Jl. Pocis', 'Tangerang Selatan', '15315', '087808675313',
'1');
```

```
select * from TblMahasiswa_andri_201011402125;
```