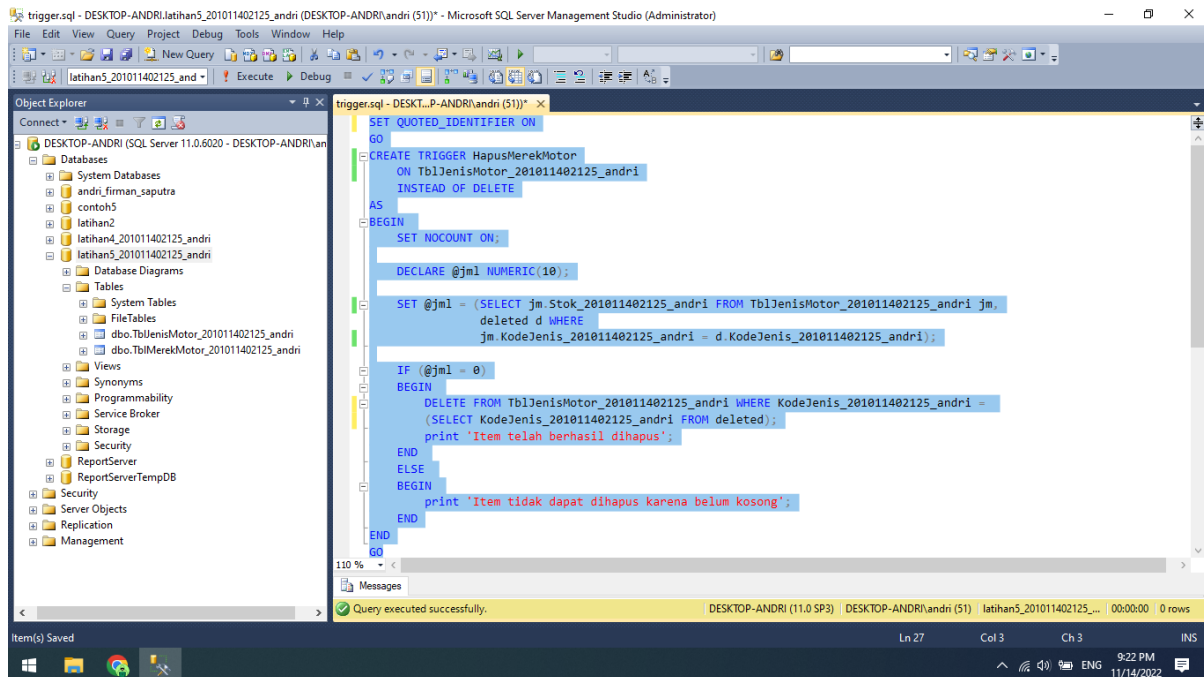


Nama : Andri Firman Saputra
NIM : 201011402125
Kelas : 05TPLP016
Tugas : Basis Data II – Latihan 10



```
trigger.sql - DESKTOP-ANDRI\latihan5_201011402125_andri (DESKTOP-ANDRI\andri (51)) - Microsoft SQL Server Management Studio (Administrator)

File Edit View Query Project Debug Tools Window Help

latihan5_201011402125_andri Execute Debug

Object Explorer
Connect
DESKTOP-ANDRI (SQL Server 11.0.6020 - DESKTOP-ANDRI\an
  Databases
    System Databases
    andri_firman_saputra
    contoh5
    latihan2
    latihan4_201011402125_andri
    latihan5_201011402125_andri
    Database Diagrams
    Tables
      System Tables
      FileTables
      dbo.TblJenisMotor_201011402125_andri
      dbo.TblMerekMotor_201011402125_andri
    Views
    Synonyms
    Programmability
    Service Broker
    Storage
    Security
    ReportServer
    ReportServerTempDB
  Security
  Server Objects
  Replication
  Management

trigger.sql - DESKTOP-ANDRI\P-ANDRI\andri (51))
SET QUOTED_IDENTIFIER ON
GO
CREATE TRIGGER HapusMerekMotor
ON TblJenisMotor_201011402125_andri
INSTEAD OF DELETE
AS
BEGIN
    SET NOCOUNT ON;

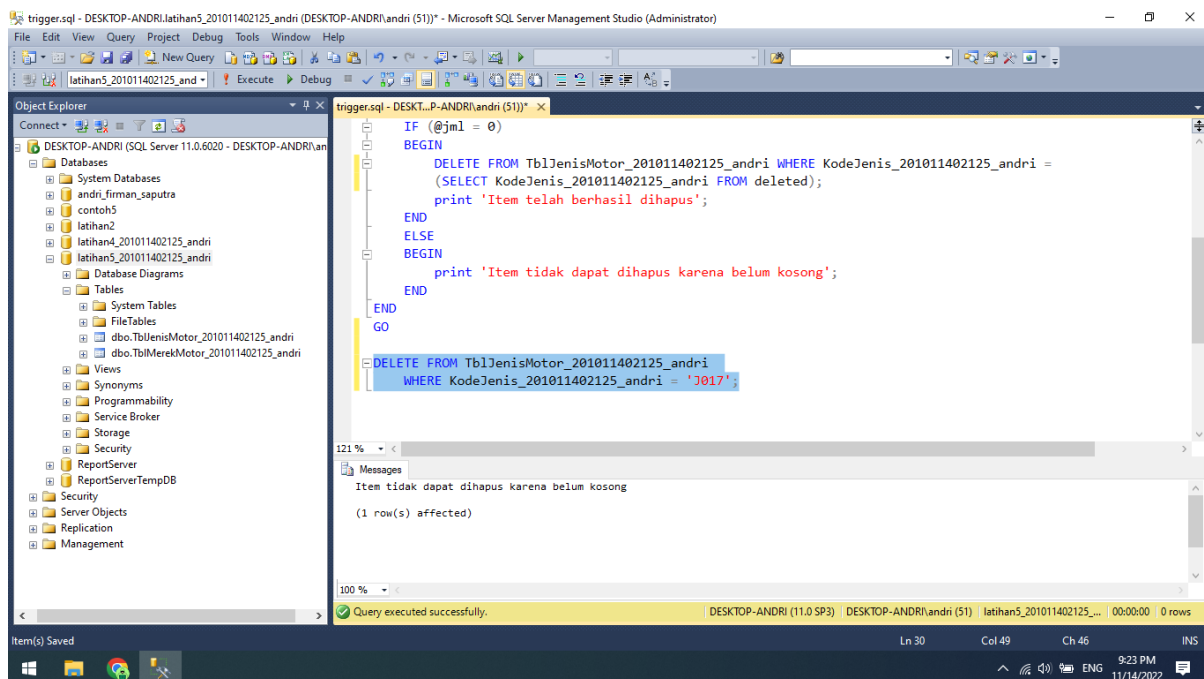
    DECLARE @jml NUMERIC(10);

    SET @jml = (SELECT jm.Stok_201011402125_andri FROM TblJenisMotor_201011402125_andri jm,
        deleted d WHERE
        jm.KodeJenis_201011402125_andri = d.KodeJenis_201011402125_andri);

    IF (@jml = 0)
    BEGIN
        DELETE FROM TblJenisMotor_201011402125_andri WHERE KodeJenis_201011402125_andri =
        (SELECT KodeJenis_201011402125_andri FROM deleted);
        print 'Item telah berhasil dihapus';
    END
    ELSE
    BEGIN
        print 'Item tidak dapat dihapus karena belum kosong';
    END
END
GO

110 %
Messages
Query executed successfully.
DESKTOP-ANDRI (11.0 SP3) | DESKTOP-ANDRI\andri (51) | latihan5_201011402125_... | 00:00:00 | 0 rows

Item(s) Saved
Ln 27 Col 3 Ch 3 INS
9:22 PM 11/14/2022
```



```
trigger.sql - DESKTOP-ANDRI\latihan5_201011402125_andri (DESKTOP-ANDRI\andri (51)) - Microsoft SQL Server Management Studio (Administrator)

File Edit View Query Project Debug Tools Window Help

latihan5_201011402125_andri Execute Debug

Object Explorer
Connect
DESKTOP-ANDRI (SQL Server 11.0.6020 - DESKTOP-ANDRI\an
  Databases
    System Databases
    andri_firman_saputra
    contoh5
    latihan2
    latihan4_201011402125_andri
    latihan5_201011402125_andri
    Database Diagrams
    Tables
      System Tables
      FileTables
      dbo.TblJenisMotor_201011402125_andri
      dbo.TblMerekMotor_201011402125_andri
    Views
    Synonyms
    Programmability
    Service Broker
    Storage
    Security
    ReportServer
    ReportServerTempDB
  Security
  Server Objects
  Replication
  Management

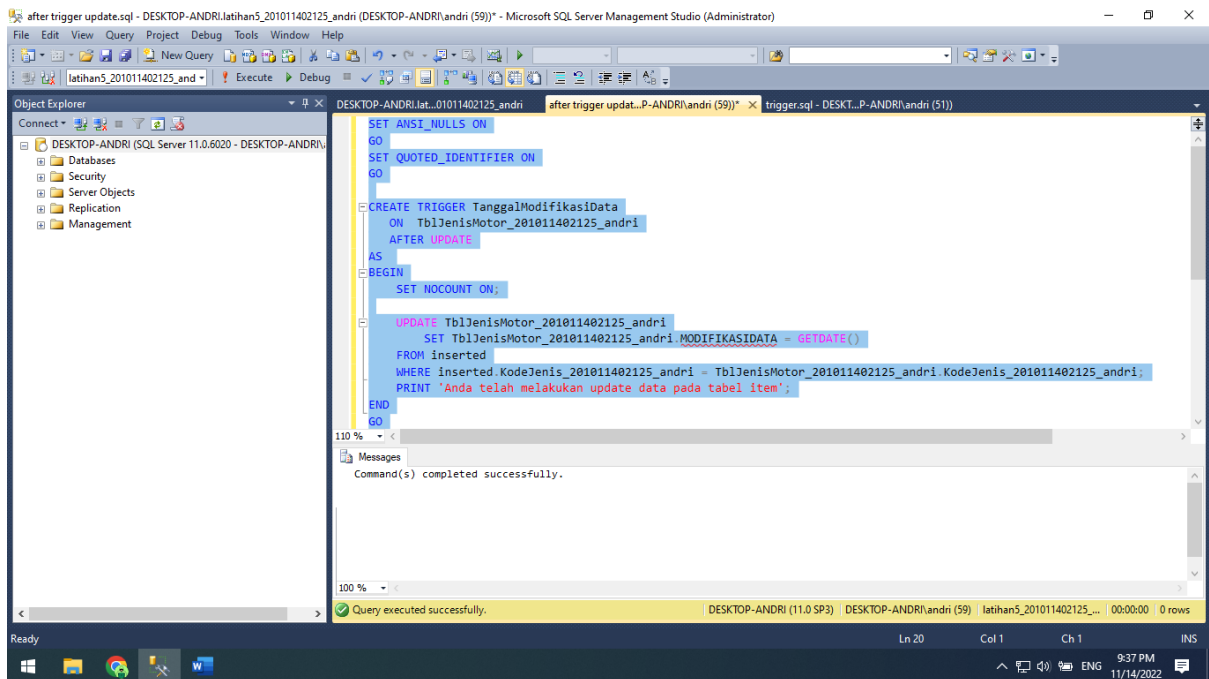
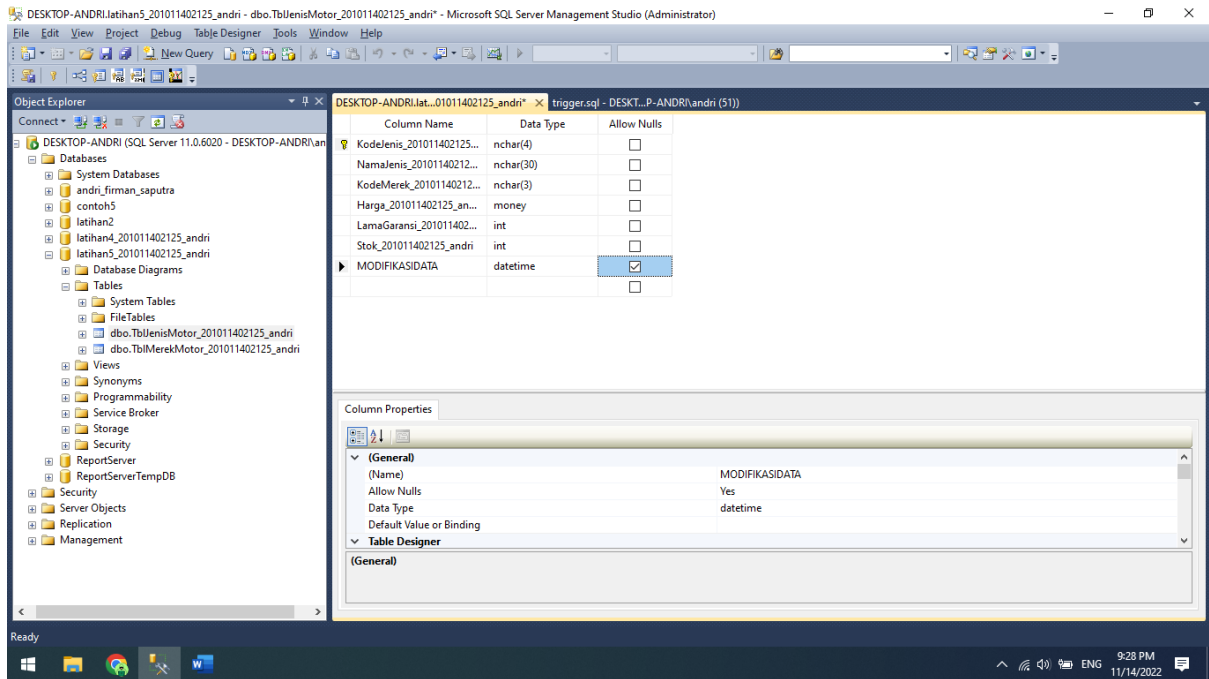
trigger.sql - DESKTOP-ANDRI\P-ANDRI\andri (51))
IF (@jml = 0)
BEGIN
    DELETE FROM TblJenisMotor_201011402125_andri WHERE KodeJenis_201011402125_andri =
    (SELECT KodeJenis_201011402125_andri FROM deleted);
    print 'Item telah berhasil dihapus';
END
ELSE
BEGIN
    print 'Item tidak dapat dihapus karena belum kosong';
END
END
GO

DELETED FROM TblJenisMotor_201011402125_andri
WHERE KodeJenis_201011402125_andri = '3017';

121 %
Messages
Item tidak dapat dihapus karena belum kosong
(1 row(s) affected)

100 %
Query executed successfully.
DESKTOP-ANDRI (11.0 SP3) | DESKTOP-ANDRI\andri (51) | latihan5_201011402125_... | 00:00:00 | 0 rows

Item(s) Saved
Ln 30 Col 49 Ch 46 INS
9:23 PM 11/14/2022
```



after trigger update.sql - DESKTOP-ANDRI\latihan5_201011402125_andri (DESKTOP-ANDRI\andri (51)) - Microsoft SQL Server Management Studio (Administrator)

File Edit View Query Project Debug Tools Window Help

latihan5_201011402125_andri Execute Debug

Object Explorer

- DESKTOP-ANDRI (SQL Server 11.0.6020 - DESKTOP-ANDRI\andri (51))
 - Databases
 - System Databases
 - andri_firman_saputra
 - contoh5
 - latihan2
 - latihan4_201011402125_andri
 - latihan5_201011402125_andri
 - ReportServer
 - ReportServerTempDB
 - Security
 - Server Objects
 - Replication
 - Management

after trigger update...P-ANDRI\andri (51))

```
CREATE TRIGGER TanggalModifikasiData
ON TblJenisMotor_201011402125_andri
AFTER UPDATE
AS
BEGIN
    SET NOCOUNT ON;

    UPDATE TblJenisMotor_201011402125_andri
    SET TblJenisMotor_201011402125_andri.MODIFIKASIDATA = GETDATE()
    FROM inserted
    WHERE inserted.KodeJenis_201011402125_andri = TblJenisMotor_201011402125_andri.KodeJenis_201011402125_andri;
    PRINT 'Anda telah melakukan update data pada tabel item';
END
GO

UPDATE TblJenisMotor_201011402125_andri
SET LamaGaransi_201011402125_andri = 4
WHERE KodeJenis_201011402125_andri = 'J001';

SELECT * FROM TblJenisMotor_201011402125_andri;
```

Messages

Anda telah melakukan update data pada tabel item

(1 row(s) affected)

Query executed successfully. DESKTOP-ANDRI (11.0 SP3) DESKTOP-ANDRI\andri (51) latihan5_201011402125_andri 00:00:00 0 rows

Ready Ln 22 Col 1 Ch 1 INS 9:39 PM 11/14/2022

after trigger update.sql - DESKTOP-ANDRI\latihan5_201011402125_andri (DESKTOP-ANDRI\andri (51)) - Microsoft SQL Server Management Studio (Administrator)

File Edit View Query Project Debug Tools Window Help

latihan5_201011402125_andri Execute Debug

Object Explorer

- DESKTOP-ANDRI (SQL Server 11.0.6020 - DESKTOP-ANDRI\andri (51))
 - Databases
 - System Databases
 - andri_firman_saputra
 - contoh5
 - latihan2
 - latihan4_201011402125_andri
 - latihan5_201011402125_andri
 - ReportServer
 - ReportServerTempDB
 - Security
 - Server Objects
 - Replication
 - Management

after trigger update...P-ANDRI\andri (51))

```
CREATE TRIGGER TanggalModifikasiData
ON TblJenisMotor_201011402125_andri
AFTER UPDATE
AS
BEGIN
    SET NOCOUNT ON;

    UPDATE TblJenisMotor_201011402125_andri
    SET TblJenisMotor_201011402125_andri.MODIFIKASIDATA = GETDATE()
    FROM inserted
    WHERE inserted.KodeJenis_201011402125_andri = TblJenisMotor_201011402125_andri.KodeJenis_201011402125_andri;
    PRINT 'Anda telah melakukan update data pada tabel item';
END
GO

UPDATE TblJenisMotor_201011402125_andri
SET LamaGaransi_201011402125_andri = 4
WHERE KodeJenis_201011402125_andri = 'J001';

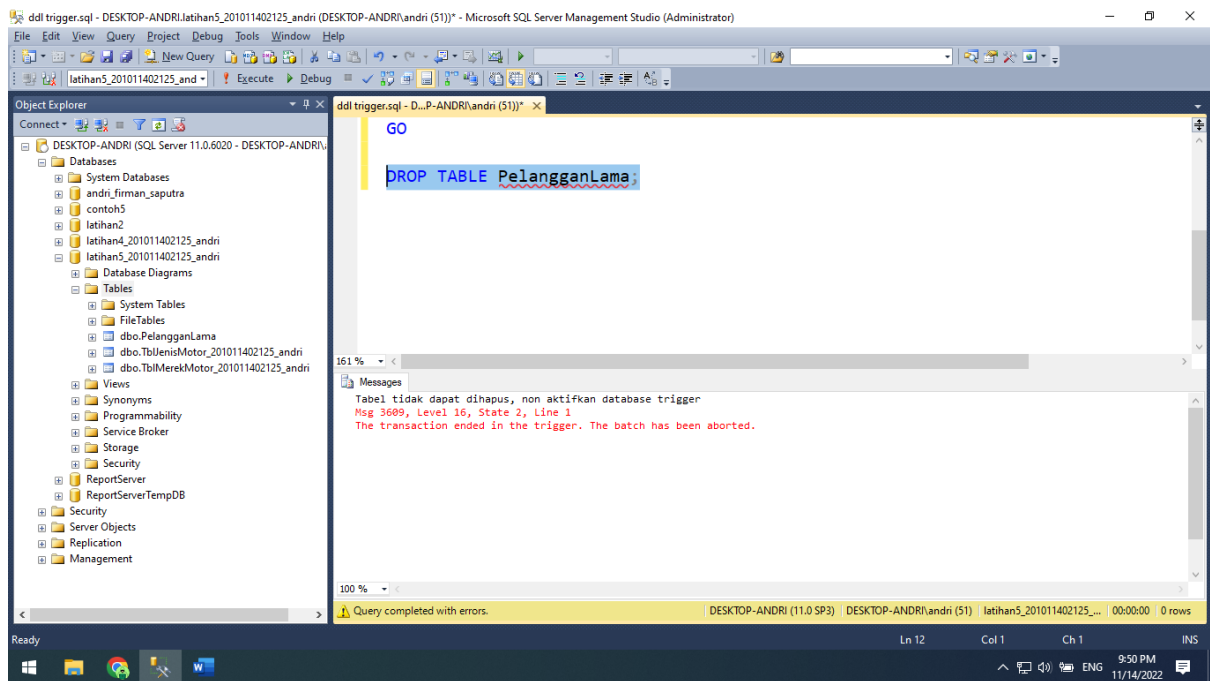
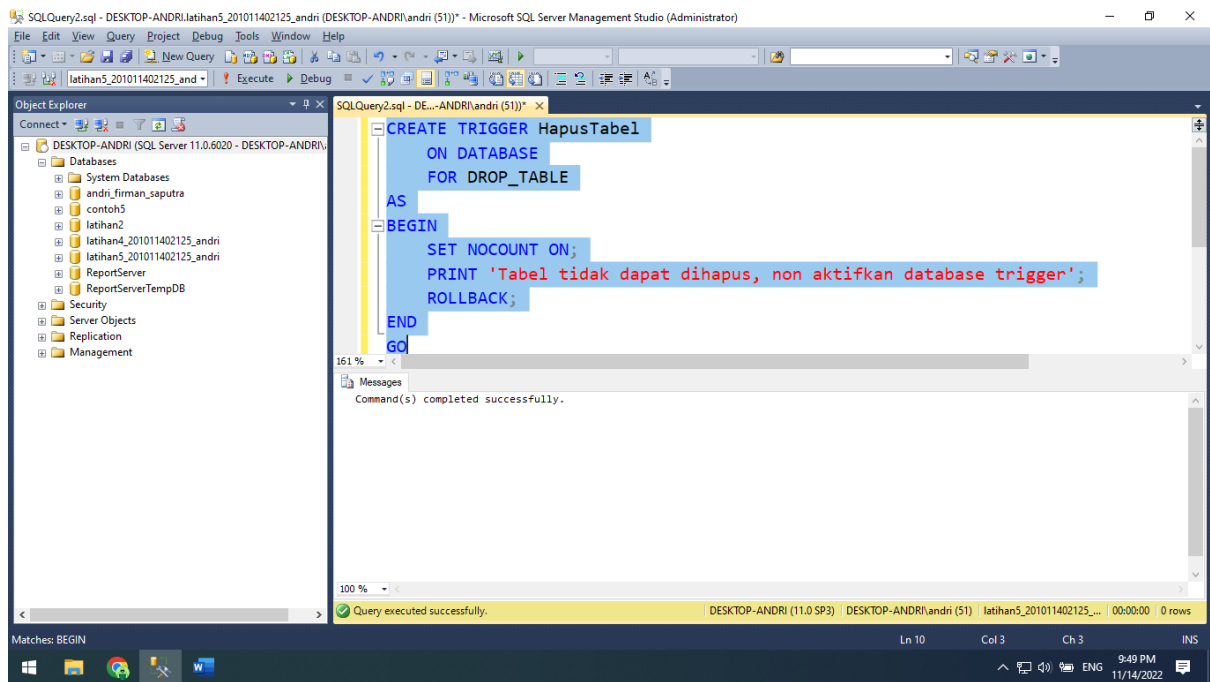
SELECT * FROM TblJenisMotor_201011402125_andri;
```

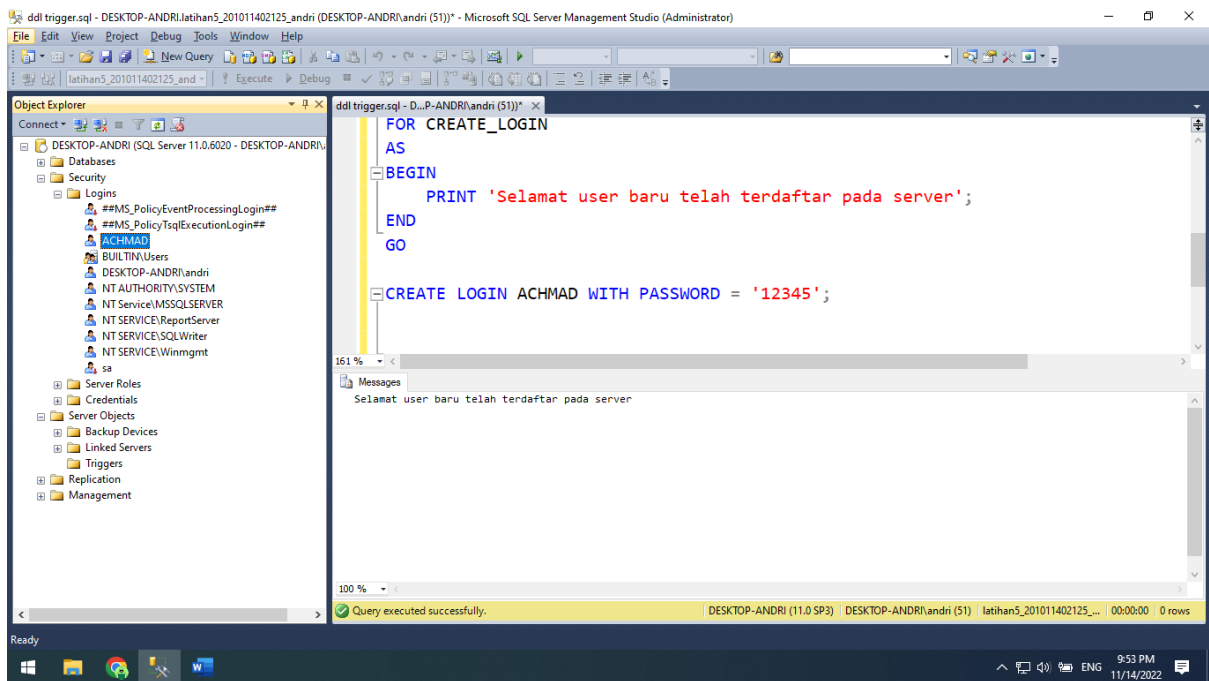
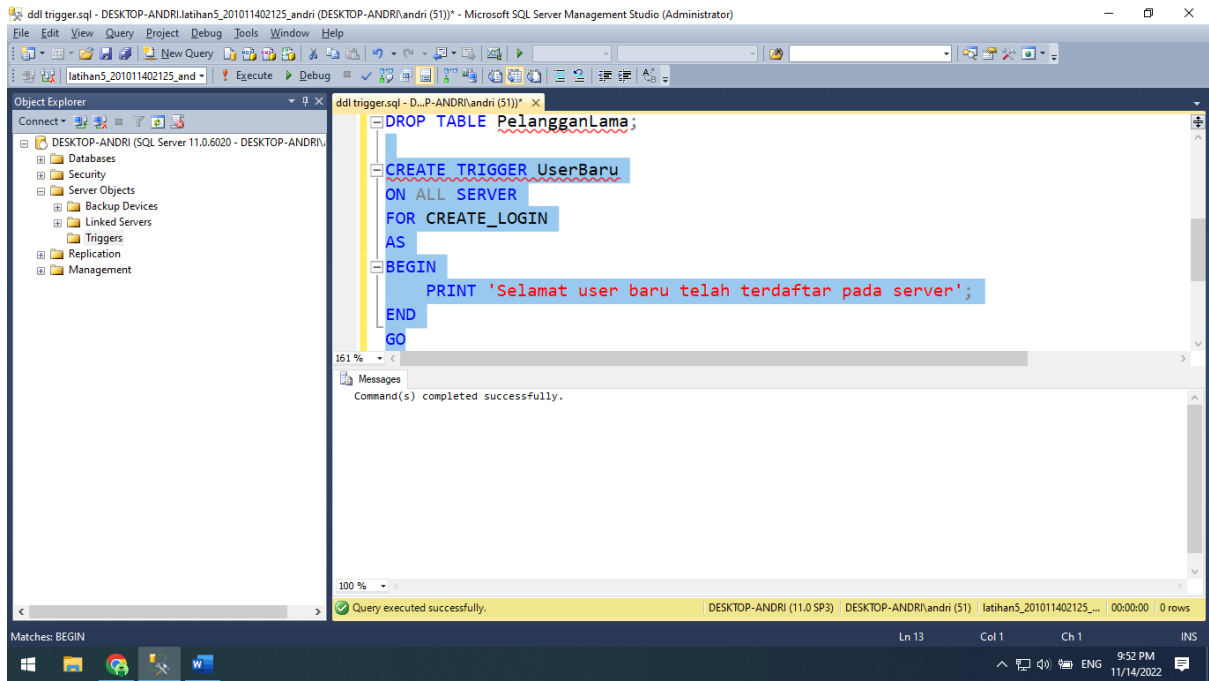
Results

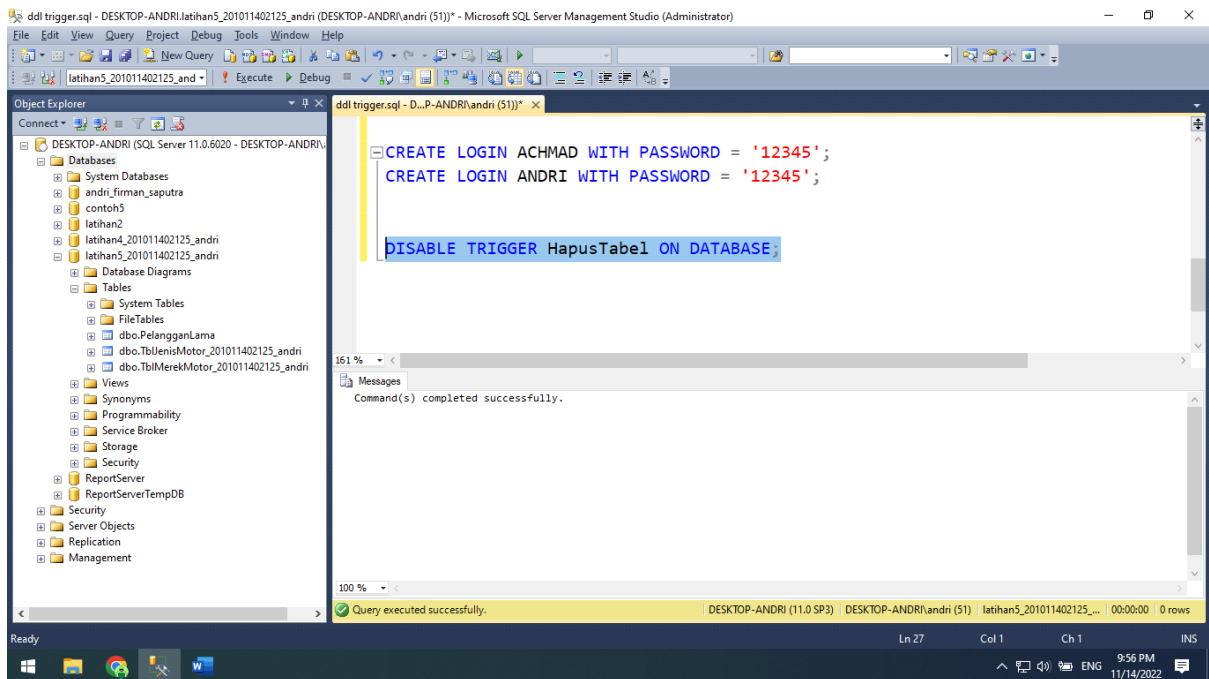
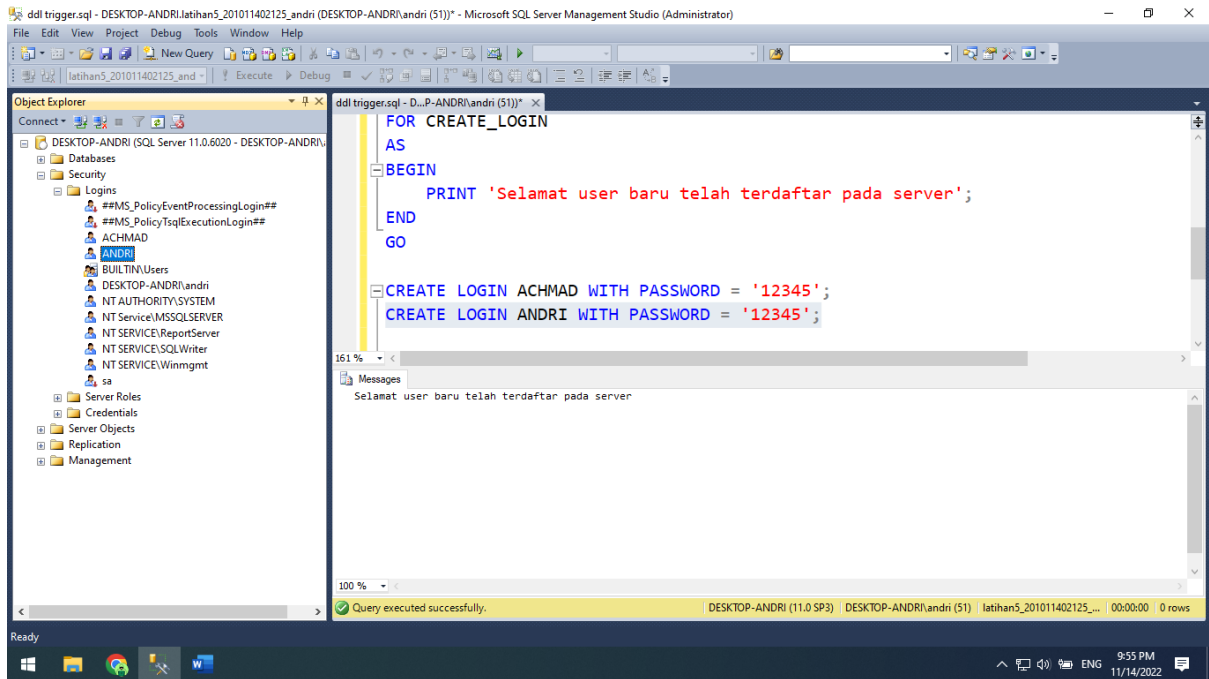
	KodeJenis_201011402125_andri	NamaJenis_201011402125_andri	KodeMerek_201011402125_andri	Harga_201011402125_andri	LamaGaransi_201011402125_andri	Stok_201011402125_andri	MODIFIKASIDATA
1	J001	CBR-150	M01	38000000.00	4	10	2022-11-14 21:39:47.237
2	J002	Tiger2000	M01	24000000.00	3	20	NULL
3	J003	MegaPro	M01	22500000.00	3	15	NULL

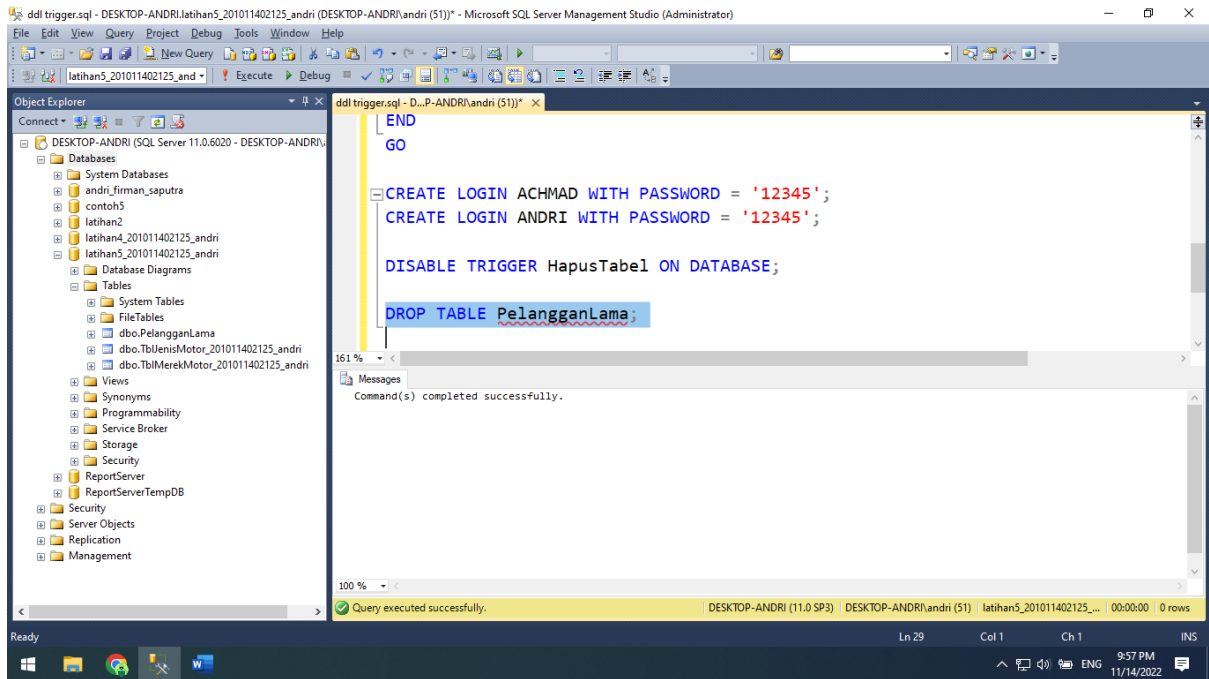
Query executed successfully. DESKTOP-ANDRI (11.0 SP3) DESKTOP-ANDRI\andri (51) latihan5_201011402125_andri 00:00:00 17 rows

Ready Ln 26 Col 1 Ch 1 INS 9:40 PM 11/14/2022









Source code:

```

SET QUOTED_IDENTIFIER ON
GO
CREATE TRIGGER HapusMerekMotor
    ON TblJenisMotor_201011402125_andri
    INSTEAD OF DELETE
AS
BEGIN
    SET NOCOUNT ON;

    DECLARE @jml NUMERIC(10);

    SET @jml = (SELECT jm.Stok_201011402125_andri FROM
TblJenisMotor_201011402125_andri jm,
                deleted d WHERE
                jm.KodeJenis_201011402125_andri =
d.KodeJenis_201011402125_andri);

    IF (@jml = 0)
    BEGIN
        DELETE FROM TblJenisMotor_201011402125_andri WHERE
KodeJenis_201011402125_andri =
        (SELECT KodeJenis_201011402125_andri FROM deleted);
        print 'Item telah berhasil dihapus';
    END
    ELSE
    BEGIN
        print 'Item tidak dapat dihapus karena belum kosong';
    END
END
GO

DELETE FROM TblJenisMotor_201011402125_andri
    WHERE KodeJenis_201011402125_andri = 'J017';

SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON

```

GO

```
CREATE TRIGGER TanggalModifikasiData
ON TblJenisMotor_201011402125_andri
AFTER UPDATE
AS
BEGIN
    SET NOCOUNT ON;

    UPDATE TblJenisMotor_201011402125_andri
    SET TblJenisMotor_201011402125_andri.MODIFIKASIDATA = GETDATE()
    FROM inserted
    WHERE inserted.KodeJenis_201011402125_andri =
TblJenisMotor_201011402125_andri.KodeJenis_201011402125_andri;
    PRINT 'Anda telah melakukan update data pada tabel item';
END
GO
```

```
UPDATE TblJenisMotor_201011402125_andri
SET LamaGaransi_201011402125_andri = 4
WHERE KodeJenis_201011402125_andri = 'J001';
```

```
SELECT * FROM TblJenisMotor_201011402125_andri;
```

```
CREATE TRIGGER HapusTabel
ON DATABASE
FOR DROP_TABLE
AS
BEGIN
    SET NOCOUNT ON;
    PRINT 'Tabel tidak dapat dihapus, non aktifkan database trigger';
    ROLLBACK;
END
GO
```

```
DROP TABLE PelangganLama;
```

```
CREATE TRIGGER UserBaru
ON ALL SERVER
FOR CREATE_LOGIN
AS
BEGIN
    PRINT 'Selamat user baru telah terdaftar pada server';
END
GO
```

```
CREATE LOGIN ACHMAD WITH PASSWORD = '12345';
CREATE LOGIN ANDRI WITH PASSWORD = '12345';
```

```
DISABLE TRIGGER HapusTabel ON DATABASE;
```

```
DROP TABLE PelangganLama;
```