**Permintaan Data & Perubahan Data**

**Agnes calista - 2501980690**

**input secara manual**

insert into dbo.Student (Student\_ID, Name, Program\_of\_Study, GPA) values

('36008','Andrea Baker', 'Marketing', '3.0'),

('61559', 'Rebecca Parker','Computer Science', '4.0'),

('72596', 'Laura Murray', 'Mathematics','3.0' ),

('40574', 'Linda Hines', 'Computer Science', '3.6'),

('89832', 'Jasmine Fletcher', 'Accounting', '2.3'),

('35750', 'Dylan Rangel', 'Art Education', '3.0'),

('68389', 'William Velez', 'Mathematics', '3.3'),

('20212', 'Steven Murphy', 'Computer Science', '2.0'),

('87006', 'Michael Moore', 'Art Education', '4.0')

CREATE table [Student\_Profile](

[Student\_ID] int,

[Name] varchar(50) ,

[Email\_Address] varchar(220),

[Phone] int,

[Address] varchar(220),

[City] varchar(200)

)

Untuk mempercepat proses penginputan data dari Excel ke database, langkah-langkahnya sebagai berikut:

1. Simpan data dalam format CSV.
2. Klik kanan pada database yang sudah dibuat.
3. Pilih opsi "Task".
4. Pilih "Import Flat File".
5. Pilih file CSV yang telah disimpan sebelumnya.
6. Sesuaikan tipe data dengan data yang ada. Misalnya, kolom "name" bisa menggunakan tipe data "varchar", dst.
7. Setelah itu, klik "OK".

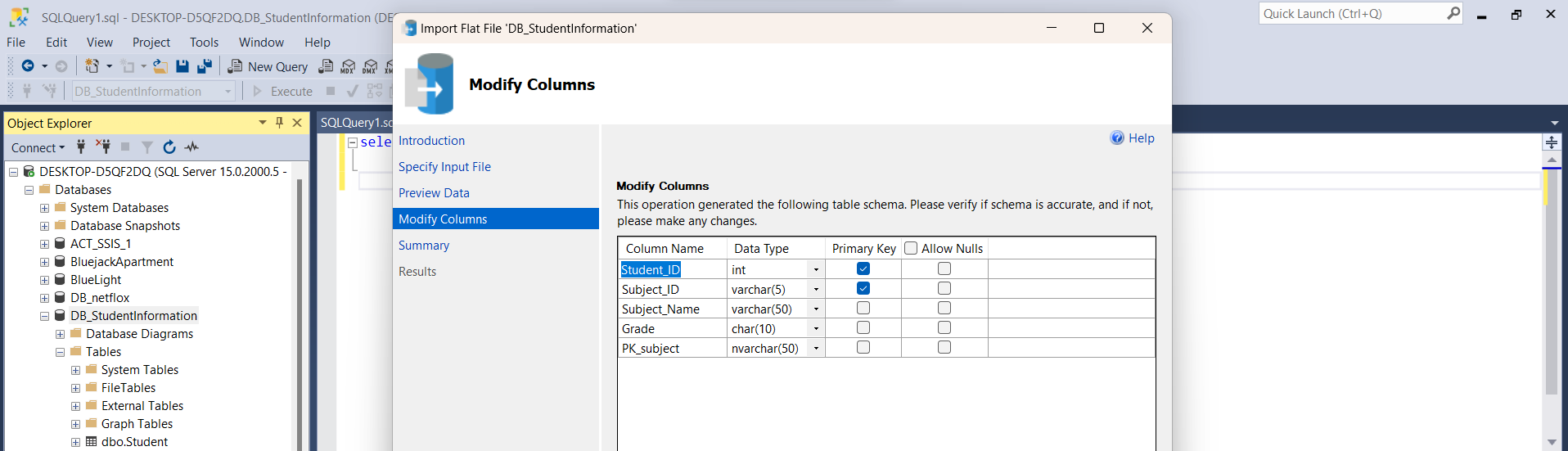


Figure 1.

Dengan mengikuti langkah-langkah yang telah disebutkan sebelumnya, data dapat dengan cepat dimasukkan ke dalam database tanpa adanya kesalahan input. Dengan menyimpan data dalam format CSV dan menggunakan fitur "Import Flat File" pada database,

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Figure 2.

Link referensi: <https://youtu.be/JVP9frj2VSQ>

**Soal No 1**

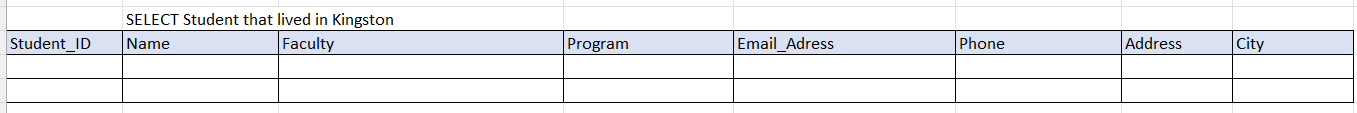


Figure 3.

**🡪Jawaban :**

select S.Student\_ID,S.Name,Program\_of\_Study, Email\_Address,Phone, Address, City from Student S

join [dbo].[student Profile] as SP on SP.Student\_ID = S.Student\_ID

join [dbo].[Student Subject] as SS on SS.Student\_ID = S.Student\_ID

where City = 'Kingston'

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Figure 4.

**Soal No 2**

SELECT "Subject A" GRADE for Computer science student

**🡪Jawaban :**

-- 2

select S.Student\_ID,S.Name,Program\_of\_Study, Subject\_Name, Grade, Address from Student S

join [dbo].[student Profile] as SP on SP.Student\_ID = S.Student\_ID

join [dbo].[Student Subject] as SS on SS.Student\_ID = S.Student\_ID

where Subject\_Name = 'Subject A' and Program\_of\_Study = 'Computer Science'

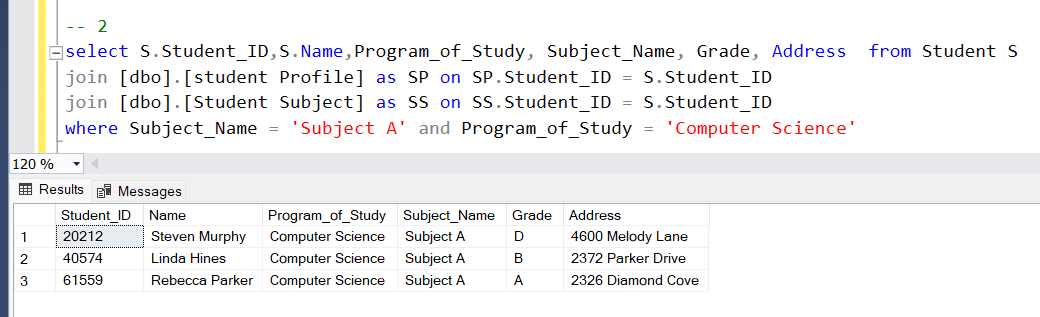


Figure 5.

**Soal No.3**

INSERT these values into student\_profile table

**🡪Jawaban:**

insert into dbo.[student Profile] (Student\_ID, Name,Email\_Address, Phone, Address, City) values

('29361', 'Glen Chavez','Chavez\_Glen@xfinity.com', '702-737-4764','2965 Jacobs Street','Pittsburgh' ),

('83604','Kimberly Ashley','Kimberly\_Ashley@comcast.net','853-862-3087','4998 Benedum Drive','Kingston'),

('57784','Robert Jones','Jones.Robert@outlook.com','928-868-4951','4998 Benedum Drive','Kingston'),

('23489','Amber Williams','AmberWilliams17@mail.com','713-575-2422','4600 Melody Lane','Richmond'),

('26678','Bryan Benson','Bryan\_Benson@protonmail.com','358-767-5696','2094 Biddie Lane','Richmond'),

('52345','Sharon Miller','SMiller34@gmail.com','128-806-1850','3166 Single Street','Kingston'),

('88643','William Franco','Franco\_William@yahoo.com','588-420-6039','4600 Melody Lane','Richmond'),

('57823','Gregory Johnson','Gregory.J@comcast.net','653-480-0263','3901 Single Street','Kingston'),

('67209','Laurie Ward','Laurie.Ward19@att.com','299-960-5941','2953 Rosebud Avenue','Little Rock'),

('13532','Laura Gilbert','Gilbert\_Laura@att.com','359-490-1979','2372 Parker Drive','Cleveland')

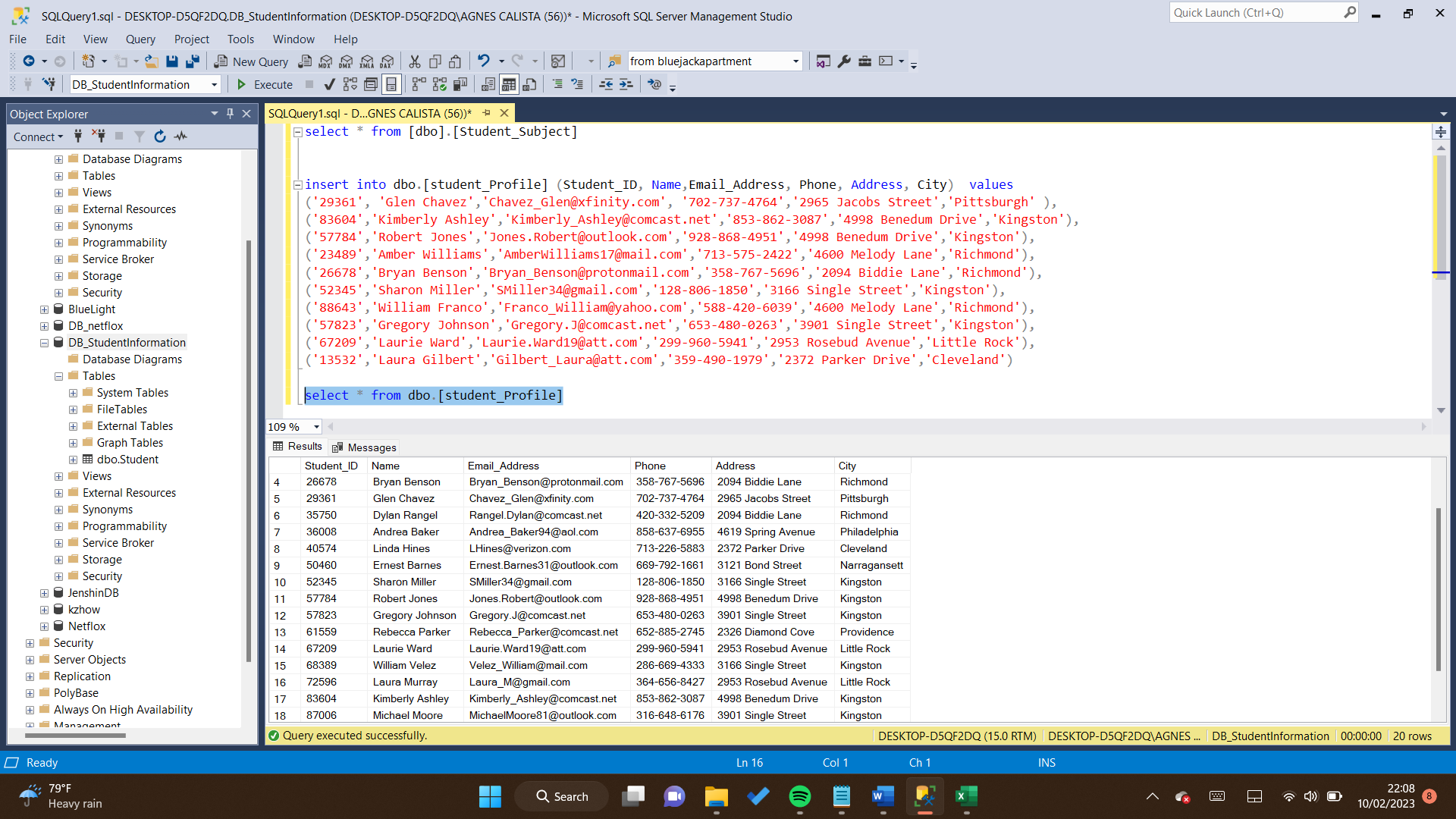
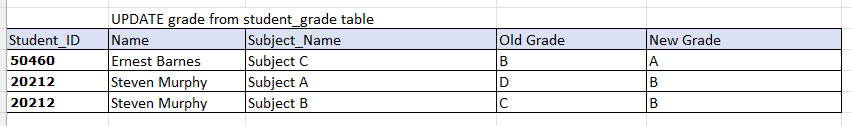


Figure 6

**Soal No.4:**



**🡪 Jawaban :**

UPDATE dbo.[Student\_Grade]

SET Grade = 'A'

WHERE Subject\_Name = 'Subject C' and Student\_ID = '50460';

UPDATE dbo.[Student\_Grade]

SET Grade = 'B'

WHERE Subject\_Name = 'Subject A' and Student\_ID = '20212';

UPDATE dbo.[Student\_Grade]

SET Grade = 'B'

WHERE Subject\_Name = 'Subject B' and Student\_ID = '20212';

**Soal NO 5:**

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Figure 7.

**🡪 Jawaban:**

select S.Student\_ID, S.Name, SG.Subject\_Name, SG.Grade, SP.Address, SP.City from Student S

join [dbo].[Student\_Grade] as SG on SG.Student\_ID = S.Student\_ID

join [dbo].[student\_Profile] as SP on SP.Student\_ID = S.Student\_ID

where Subject\_Name = 'Subject B' and Grade = 'A' and City IN (select City from [dbo].[student\_Profile] where City = 'Kingston')

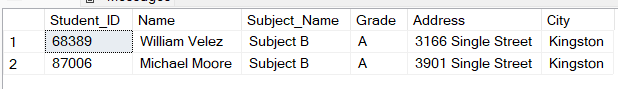
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Figure 8.

**Soal NO.6:**

**Sebuah gambar berisi teks, meja

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**Figure 9.**

**🡪 Jawaban :**

select SP.Student\_ID, SP.Name, Email\_Address

from [dbo].[student\_Profile] SP

join Student on Student.Student\_ID = SP.Student\_ID

where Email\_Address like '%@outlook%'

**Sebuah gambar berisi teks

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**Figure 10.**