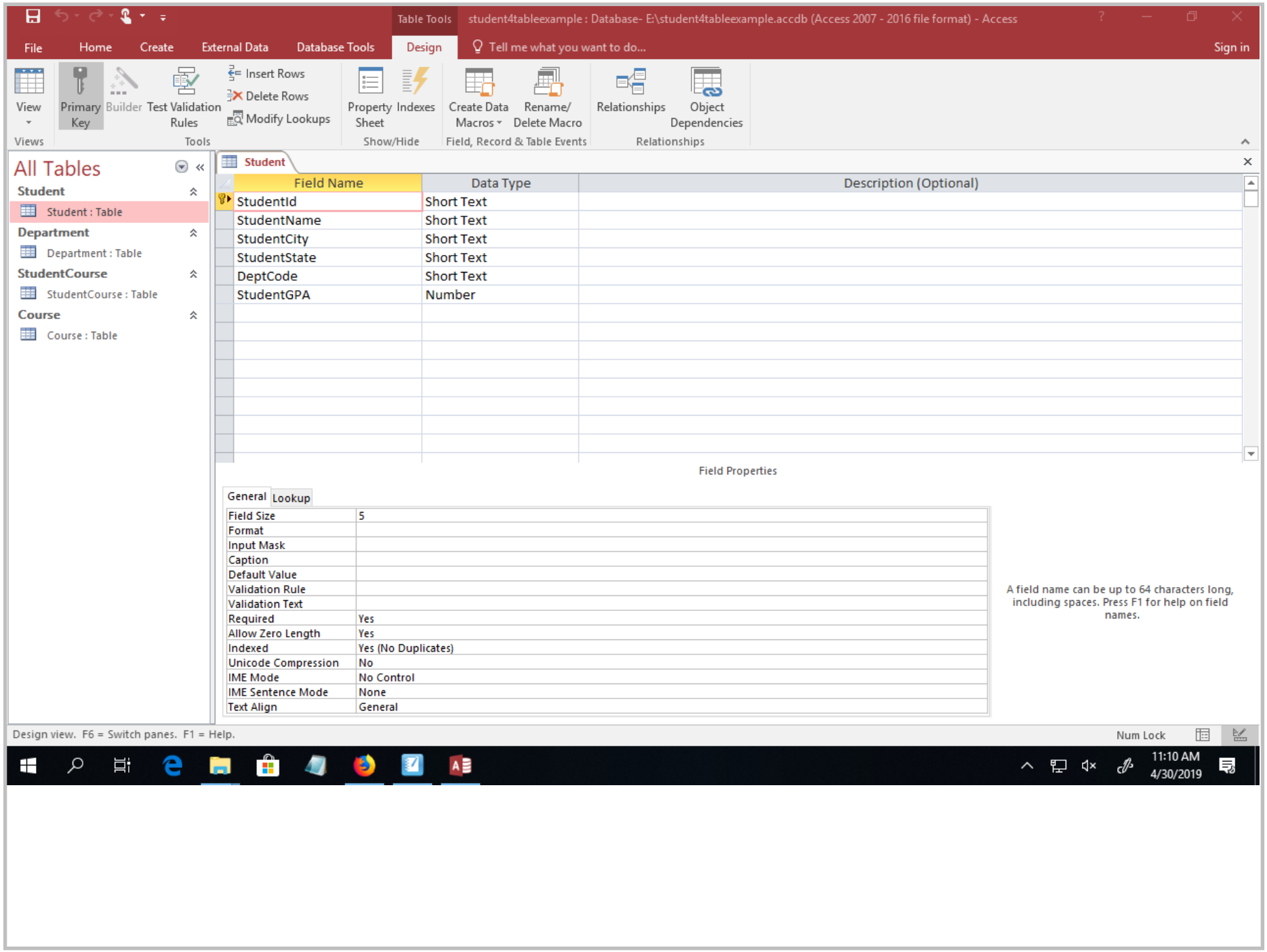
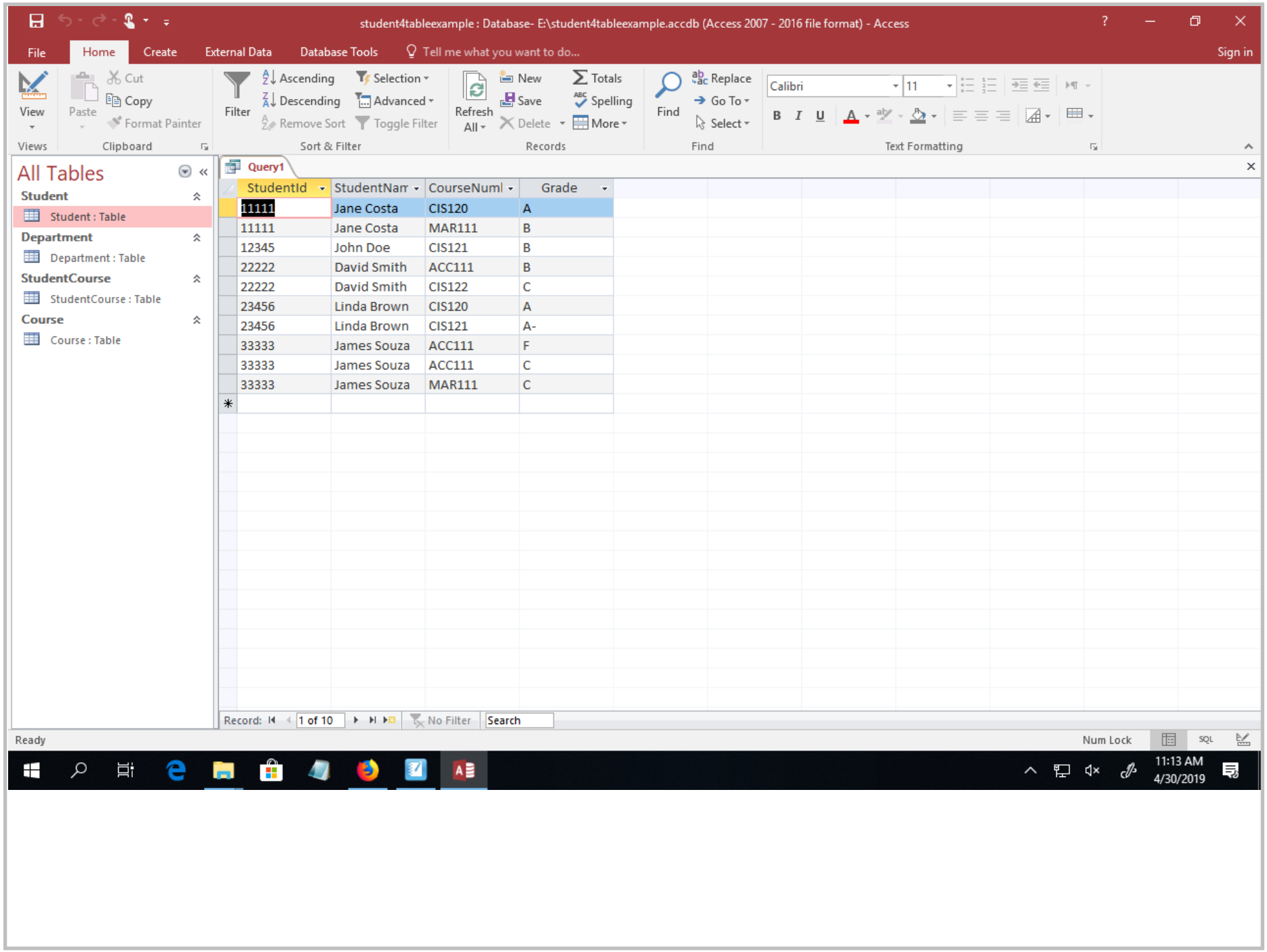
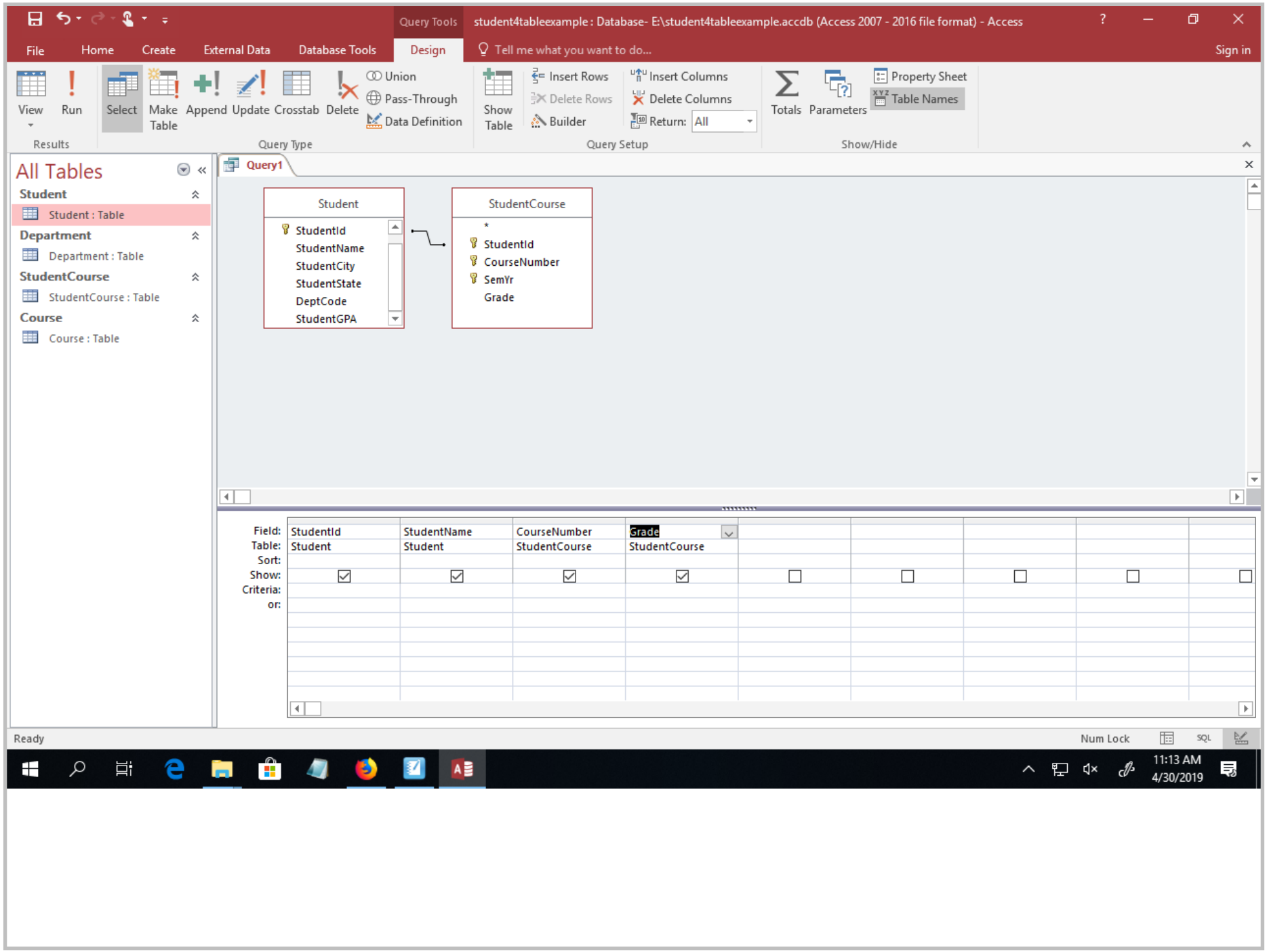


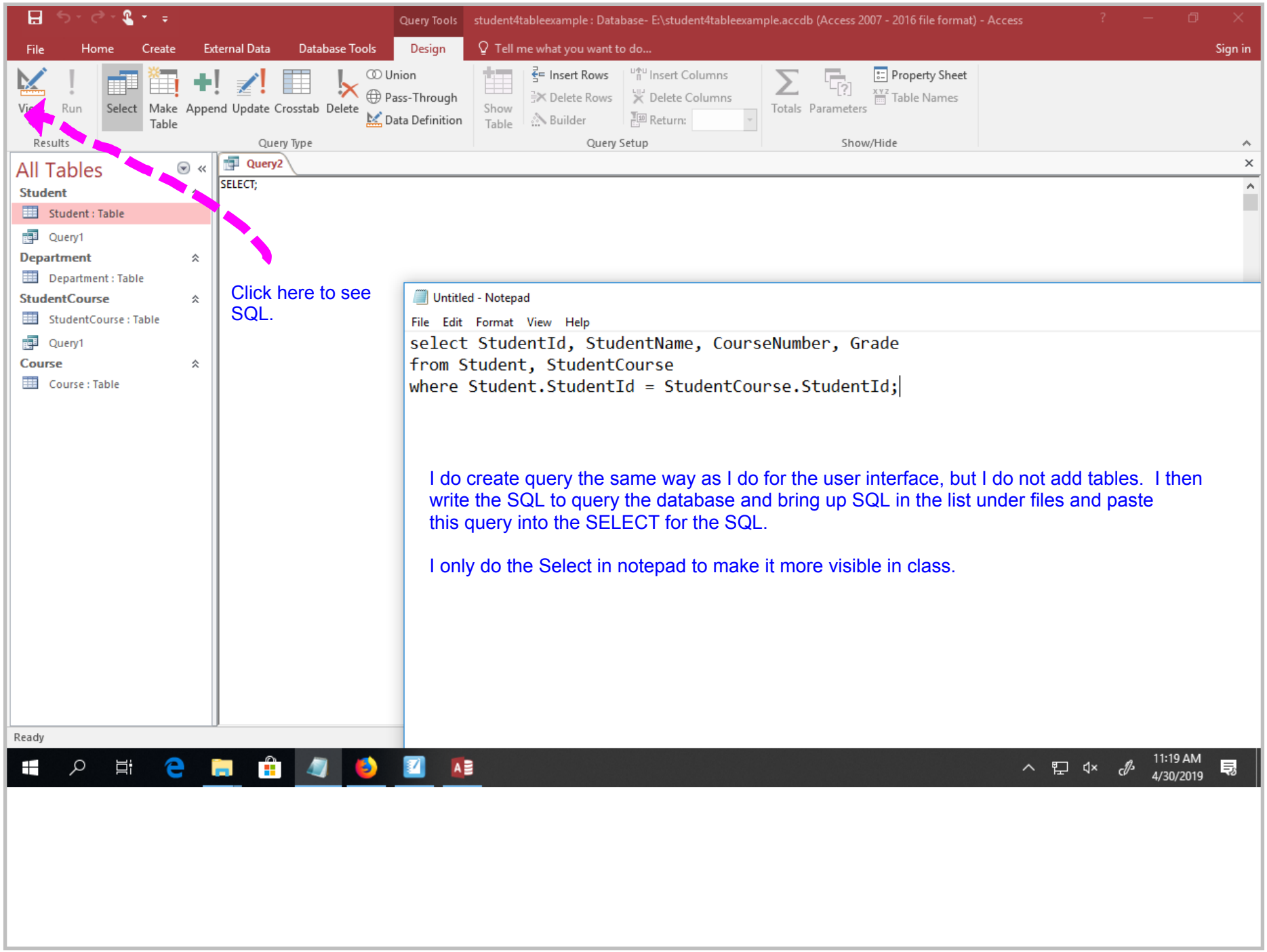
Table Tools
student4tableexample : Database- E:\student4tableexample.accdb (Access 2007 - 2016 file format) - Access
File
Home
Create
External Data
Database Tools
Design
Tell me what you want to do...
Sign in
View
Primary Key
Builder
Test Validation Rules
Insert Rows
Delete Rows
Modify Lookups
Property Sheet
Indexes
Create Data Macros
Rename/ Delete Macro
Relationships
Object Dependencies
Views
Tools
Show/Hide
Field, Record & Table Events
Relationships
All Tables
Student
Student : Table
Department
Department : Table
StudentCourse
StudentCourse : Table
Course
Course : Table
Student
Field Name
Data Type
Description (Optional)
StudentId
Short Text
StudentName
Short Text
StudentCity
Short Text
StudentState
Short Text
DeptCode
Short Text
StudentGPA
Number
Field Properties
General
Lookup
Field Size
5
Format
Input Mask
Caption
Default Value
Validation Rule
Validation Text
Required
Yes
Allow Zero Length
Yes
Indexed
Yes (No Duplicates)
Unicode Compression
No
IME Mode
No Control
IME Sentence Mode
None
Text Align
General
A field name can be up to 64 characters long, including spaces. Press F1 for help on field names.
Design view. F6 = Switch panes. F1 = Help.
Num Lock
11:10 AM
4/30/2019

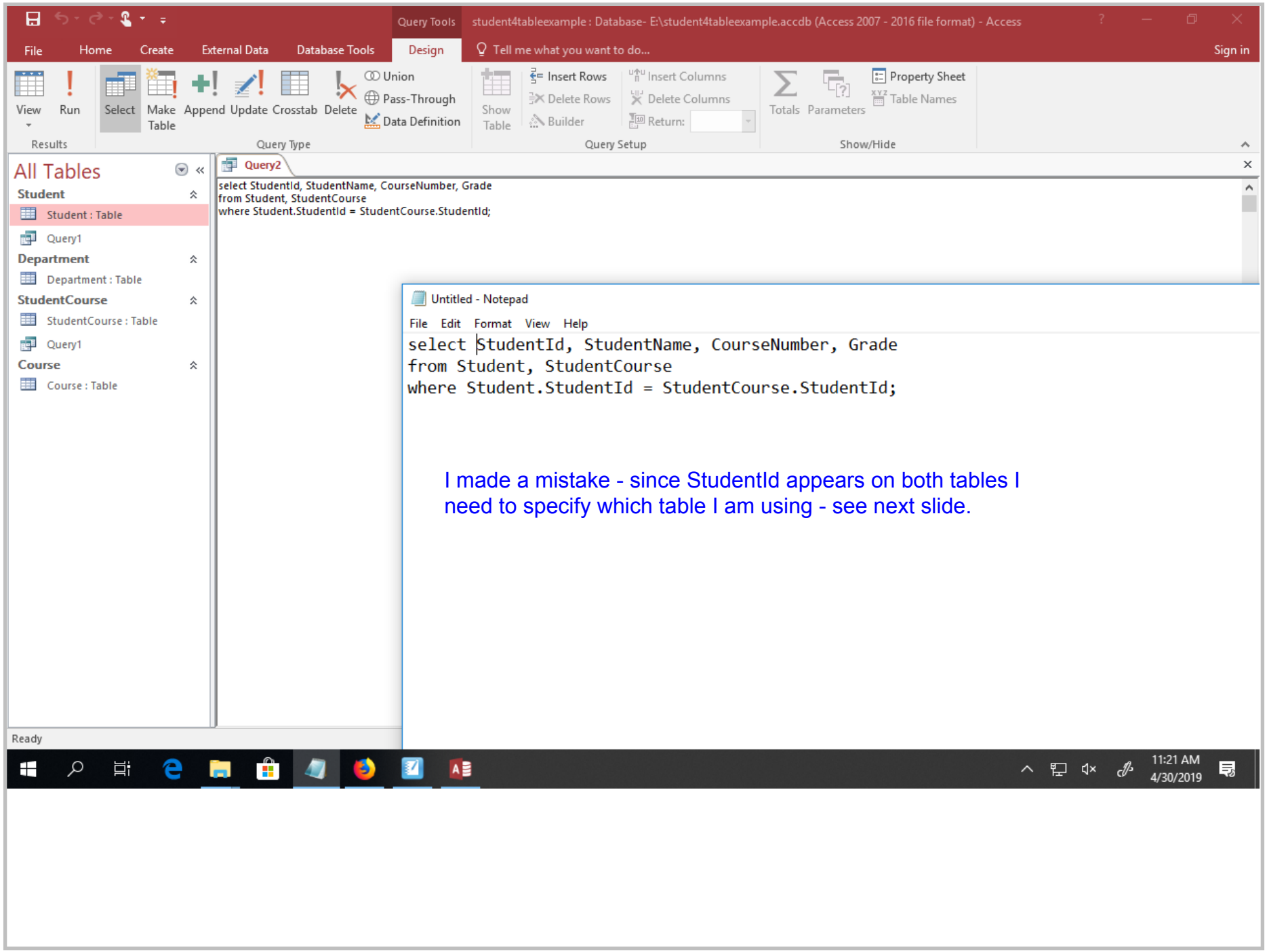


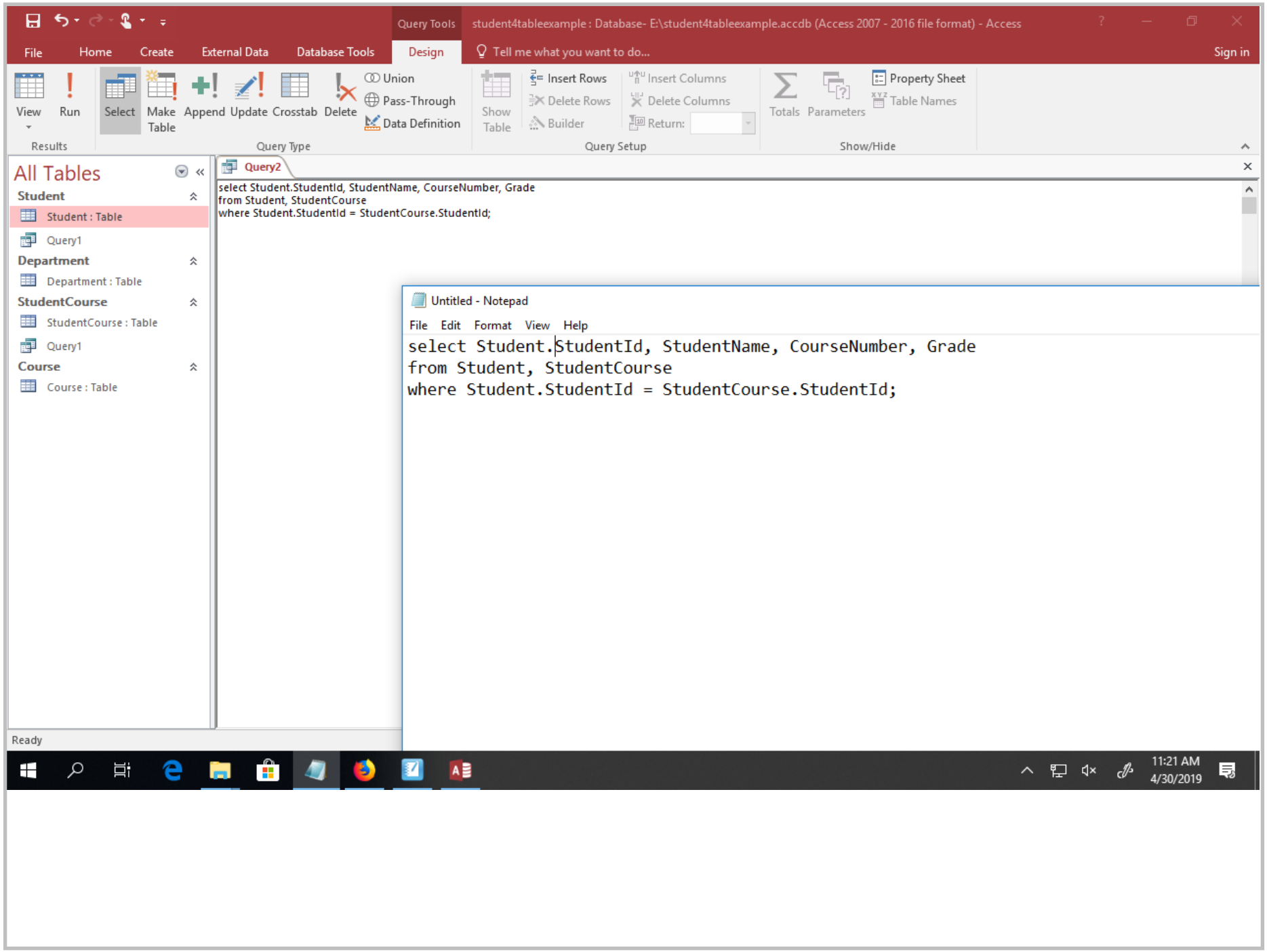
Title: Apr 30-11:13 AM (2 of 14)



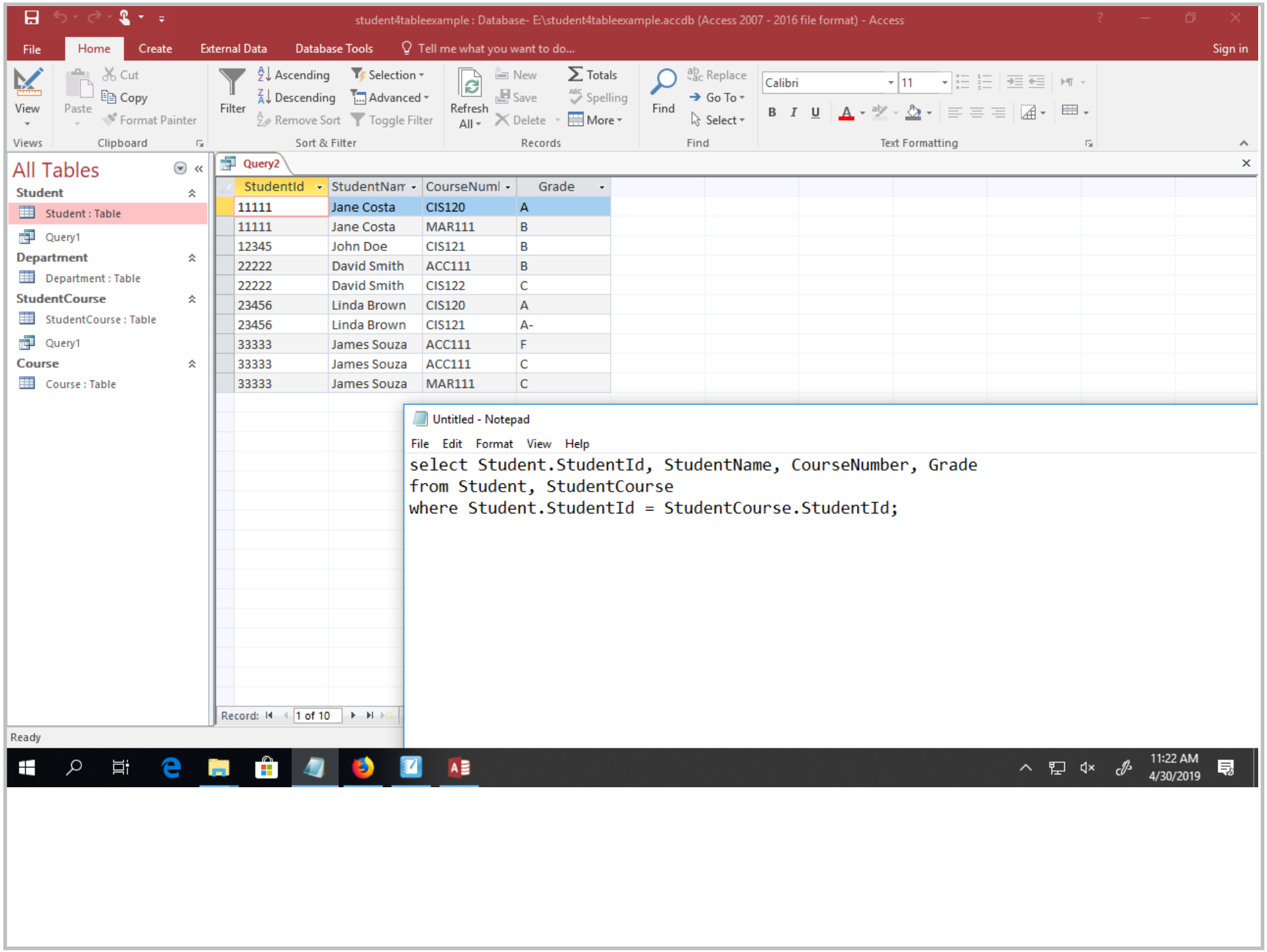
Title: Apr 30-11:13 AM (3 of 14)


Query Tools
student4tableexample : Database- E:\student4tableexample.accdb (Access 2007 - 2016 file format) - Access
File
Home
Create
External Data
Database Tools
Design
Tell me what you want to do...
Sign in
Run
Select
Make Table
Append
Update
Crosstab
Delete
Union
Pass-Through
Data Definition
Show Table
Insert Rows
Delete Rows
Builder
Insert Columns
Delete Columns
Return:
Totals
Parameters
Property Sheet
Table Names
Results
Query Type
Query Setup
Show/Hide
All Tables
Student
Student : Table
Query1
Department
Department : Table
StudentCourse
StudentCourse : Table
Query1
Course
Course : Table
Query2
SELECT;
Click here to see SQL.
Untitled - Notepad
File Edit Format View Help
select StudentId, StudentName, CourseNumber, Grade
from Student, StudentCourse
where Student.StudentId = StudentCourse.StudentId;
I do create query the same way as I do for the user interface, but I do not add tables. I then write the SQL to query the database and bring up SQL in the list under files and paste this query into the SELECT for the SQL.
I only do the Select in notepad to make it more visible in class.
Ready
11:19 AM
4/30/2019

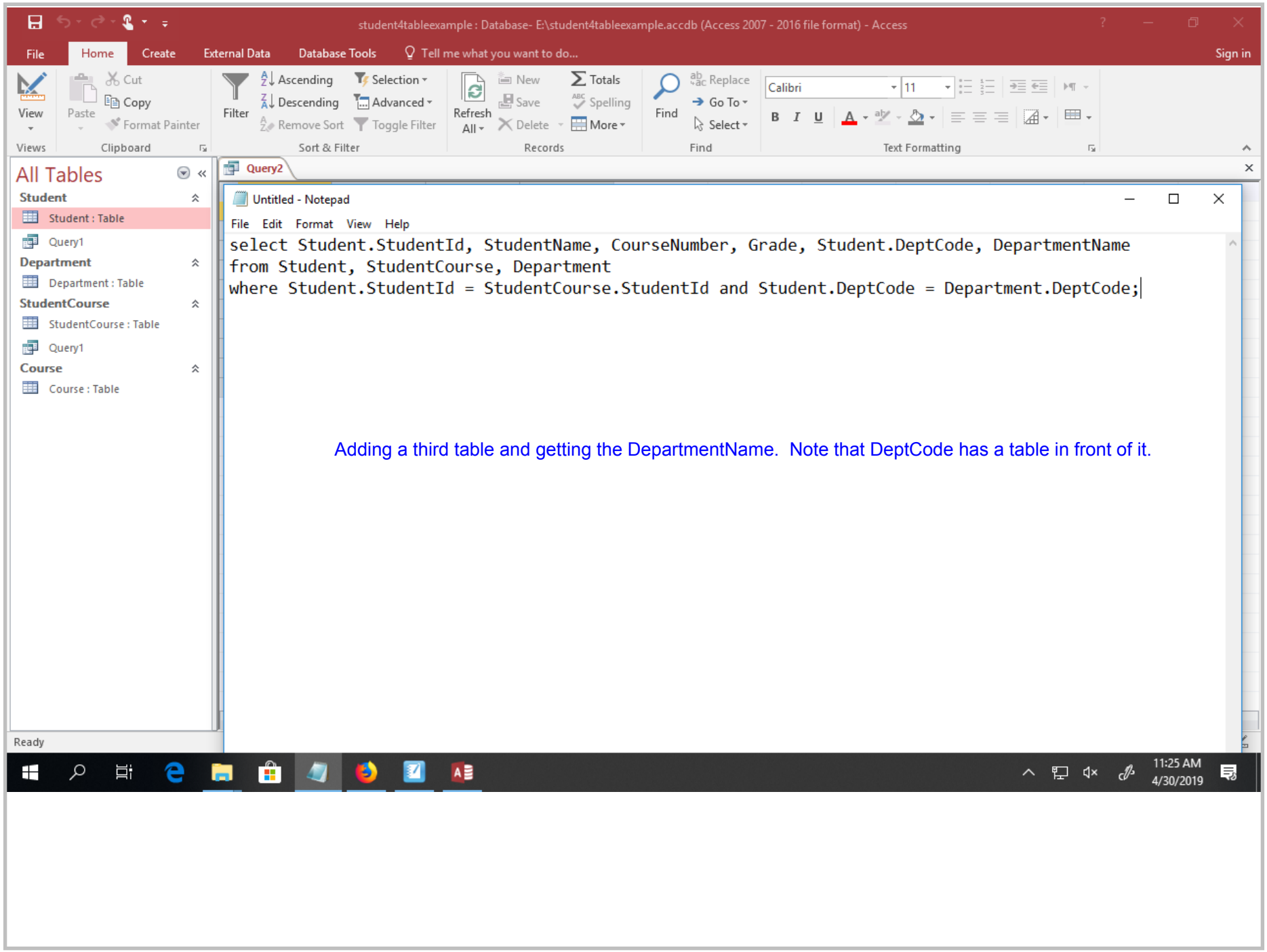

Query Tools
student4tableexample : Database- E:\student4tableexample.accdb (Access 2007 - 2016 file format) - Access
File
Home
Create
External Data
Database Tools
Design
Tell me what you want to do...
Sign in
View
Run
Select
Make Table
Append
Update
Crosstab
Delete
Union
Pass-Through
Data Definition
Show Table
Insert Rows
Delete Rows
Builder
Insert Columns
Delete Columns
Return:
Totals
Parameters
Property Sheet
Table Names
Results
Query Type
Query Setup
Show/Hide
All Tables
Student
Student : Table
Query1
Department
Department : Table
StudentCourse
StudentCourse : Table
Query1
Course
Course : Table
Query2
select StudentId, StudentName, CourseNumber, Grade
from Student, StudentCourse
where Student.StudentId = StudentCourse.StudentId;
Untitled - Notepad
File Edit Format View Help
select StudentId, StudentName, CourseNumber, Grade
from Student, StudentCourse
where Student.StudentId = StudentCourse.StudentId;
I made a mistake - since StudentId appears on both tables I need to specify which table I am using - see next slide.
Ready
11:21 AM
4/30/2019



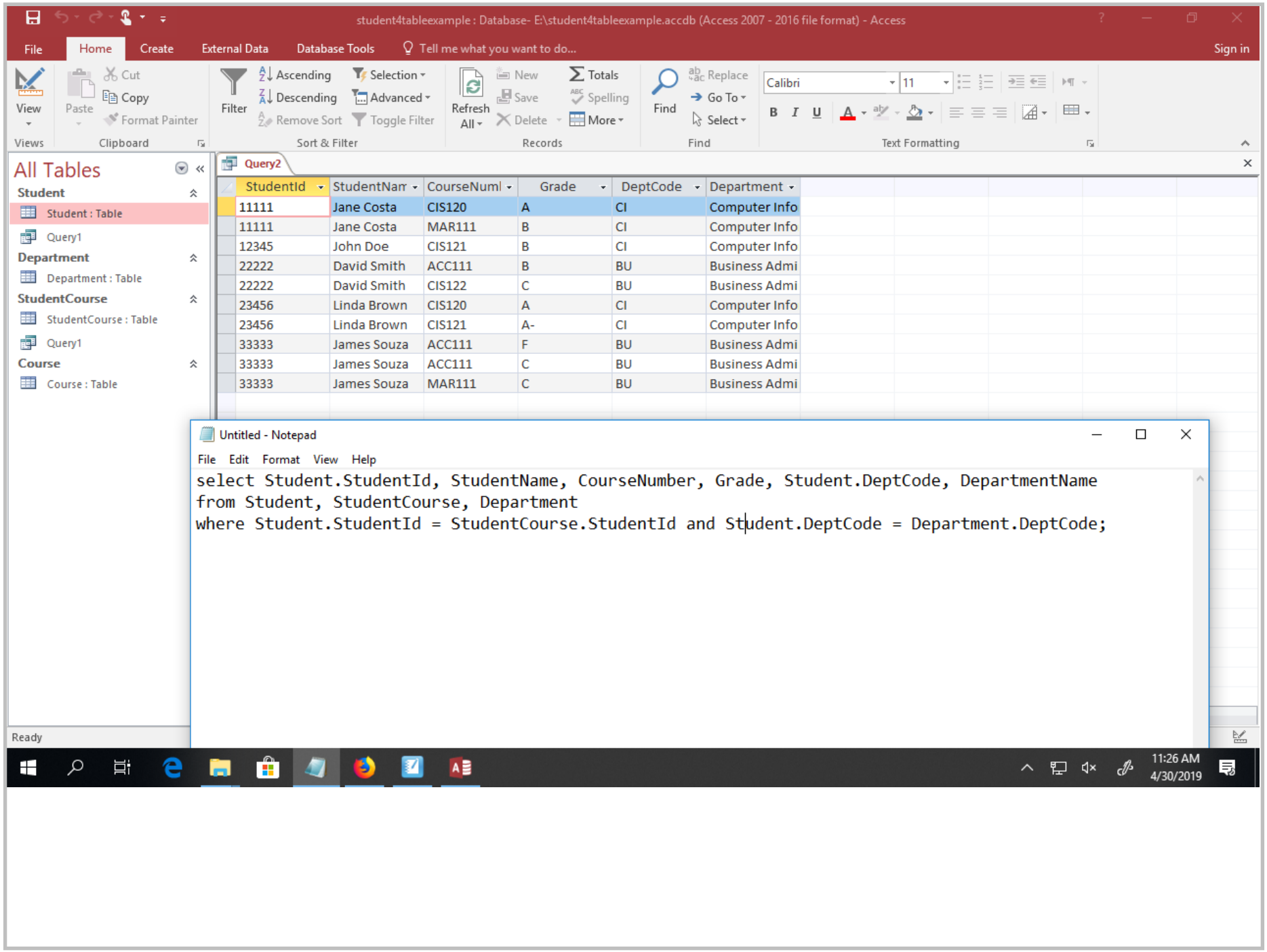
Title: Apr 30-11:21 AM (6 of 14)

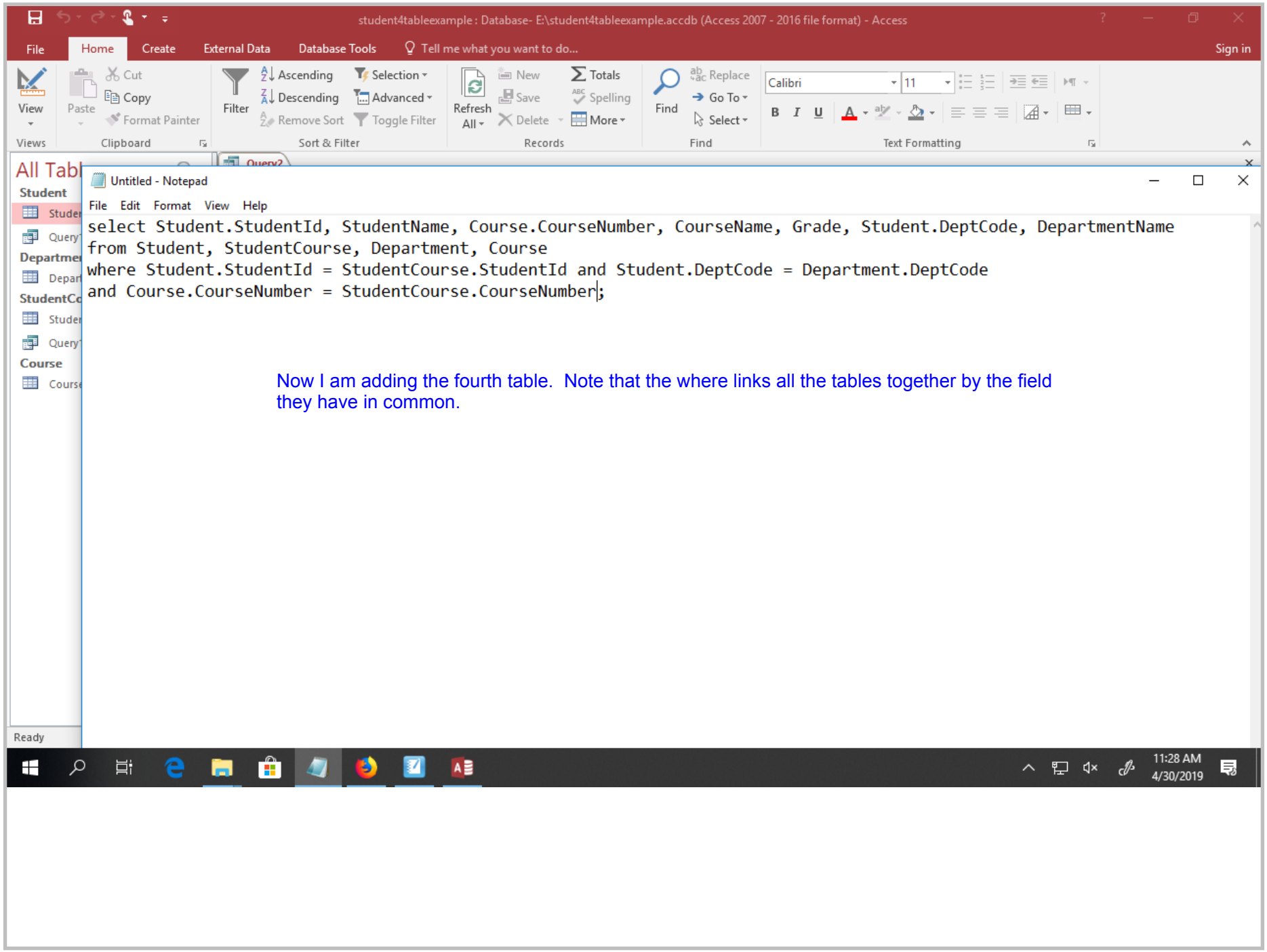


Title: Apr 30-11:22 AM (7 of 14)

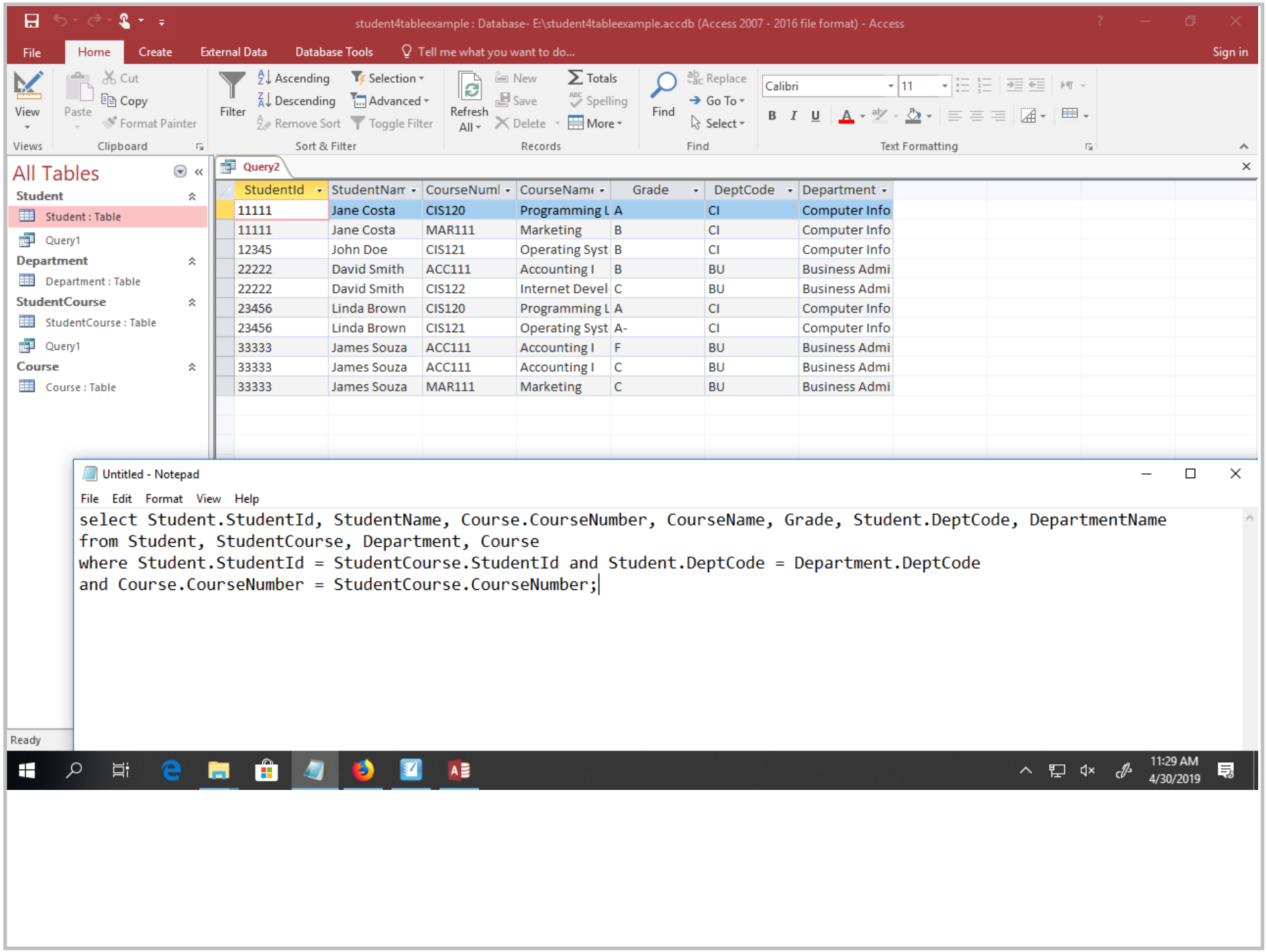


Title: Apr 30-11:25 AM (8 of 14)

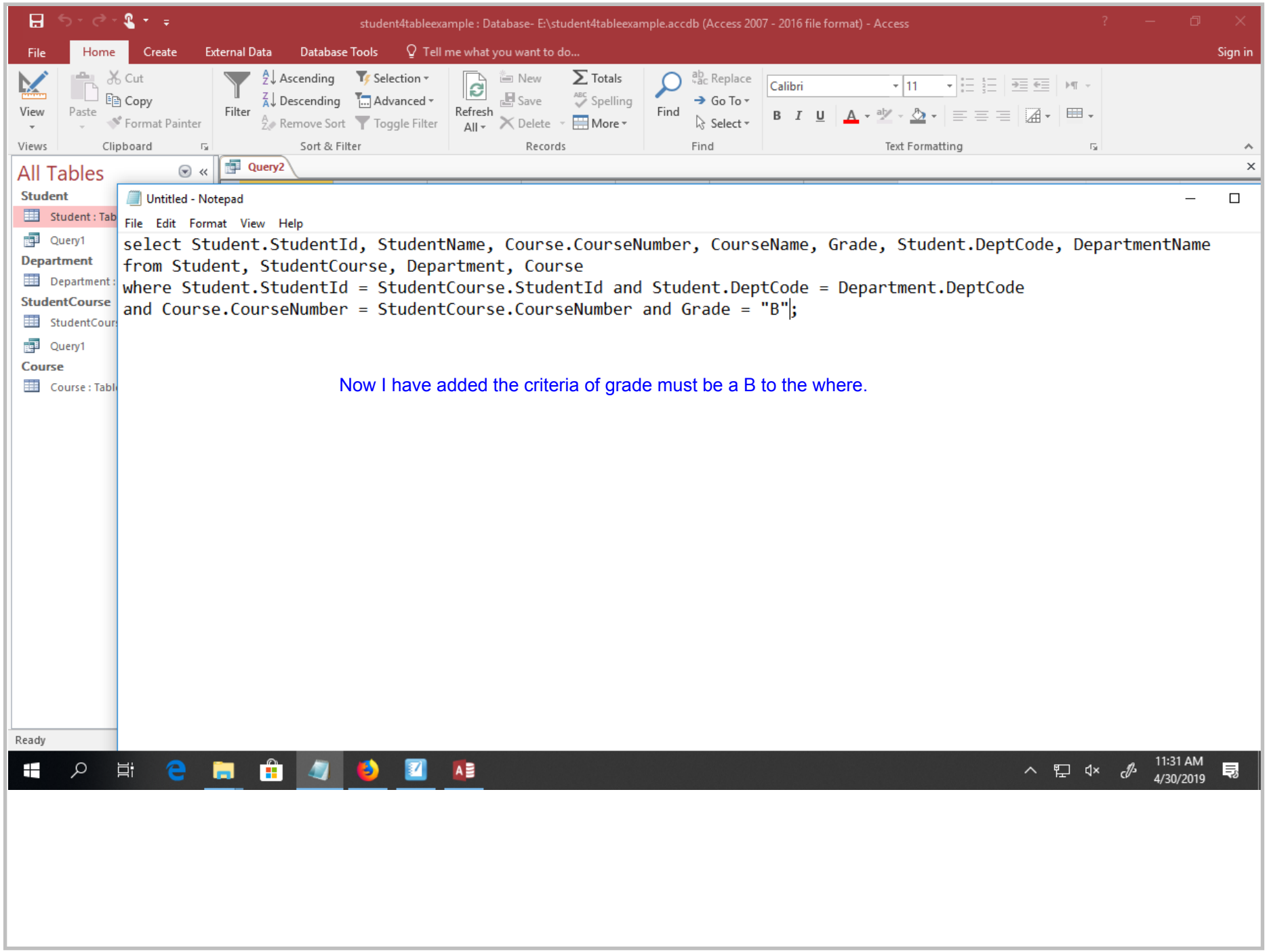

student4tableexample : Database- E:\student4tableexample.accdb (Access 2007 - 2016 file format) - Access
File
Home
Create
External Data
Database Tools
Tell me what you want to do...
Sign in
All Tables
Student
Student : Table
Query1
Department
Department : Table
StudentCourse
StudentCourse : Table
Query1
Course
Course : Table
Query2
StudentId
StudentNam
CourseNuml
Grade
DeptCode
Department
11111 Jane Costa CIS120 A CI Computer Info
11111 Jane Costa MAR111 B CI Computer Info
12345 John Doe CIS121 B CI Computer Info
22222 David Smith ACC111 B BU Business Admi
22222 David Smith CIS122 C BU Business Admi
23456 Linda Brown CIS120 A CI Computer Info
23456 Linda Brown CIS121 A- CI Computer Info
33333 James Souza ACC111 F BU Business Admi
33333 James Souza ACC111 C BU Business Admi
33333 James Souza MAR111 C BU Business Admi
Untitled - Notepad
File Edit Format View Help
select Student.StudentId, StudentName, CourseNumber, Grade, Student.DeptCode, DepartmentName
from Student, StudentCourse, Department
where Student.StudentId = StudentCourse.StudentId and Student.DeptCode = Department.DeptCode;
Ready
11:26 AM
4/30/2019



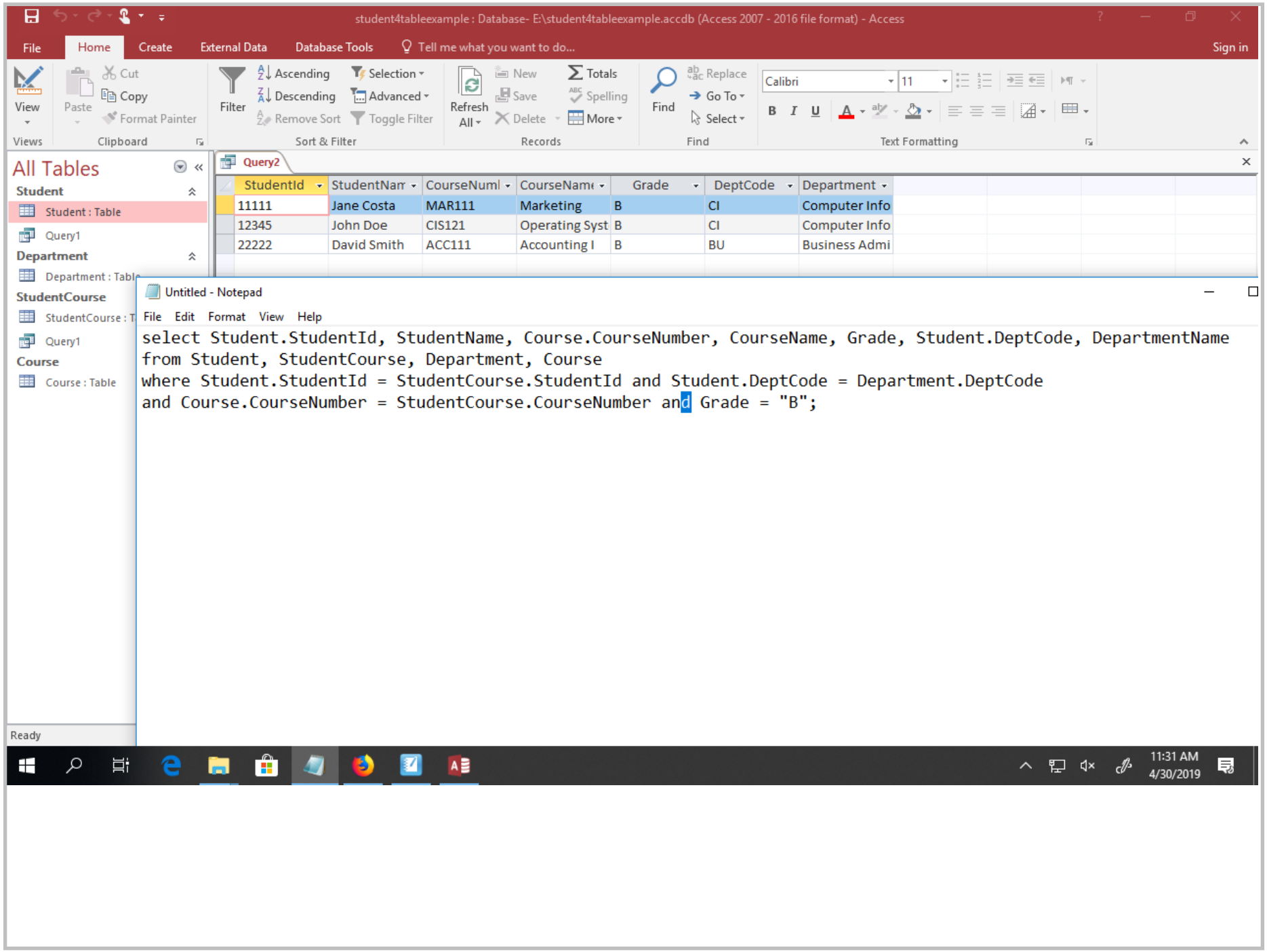
Title: Apr 30-11:28 AM (10 of 14)



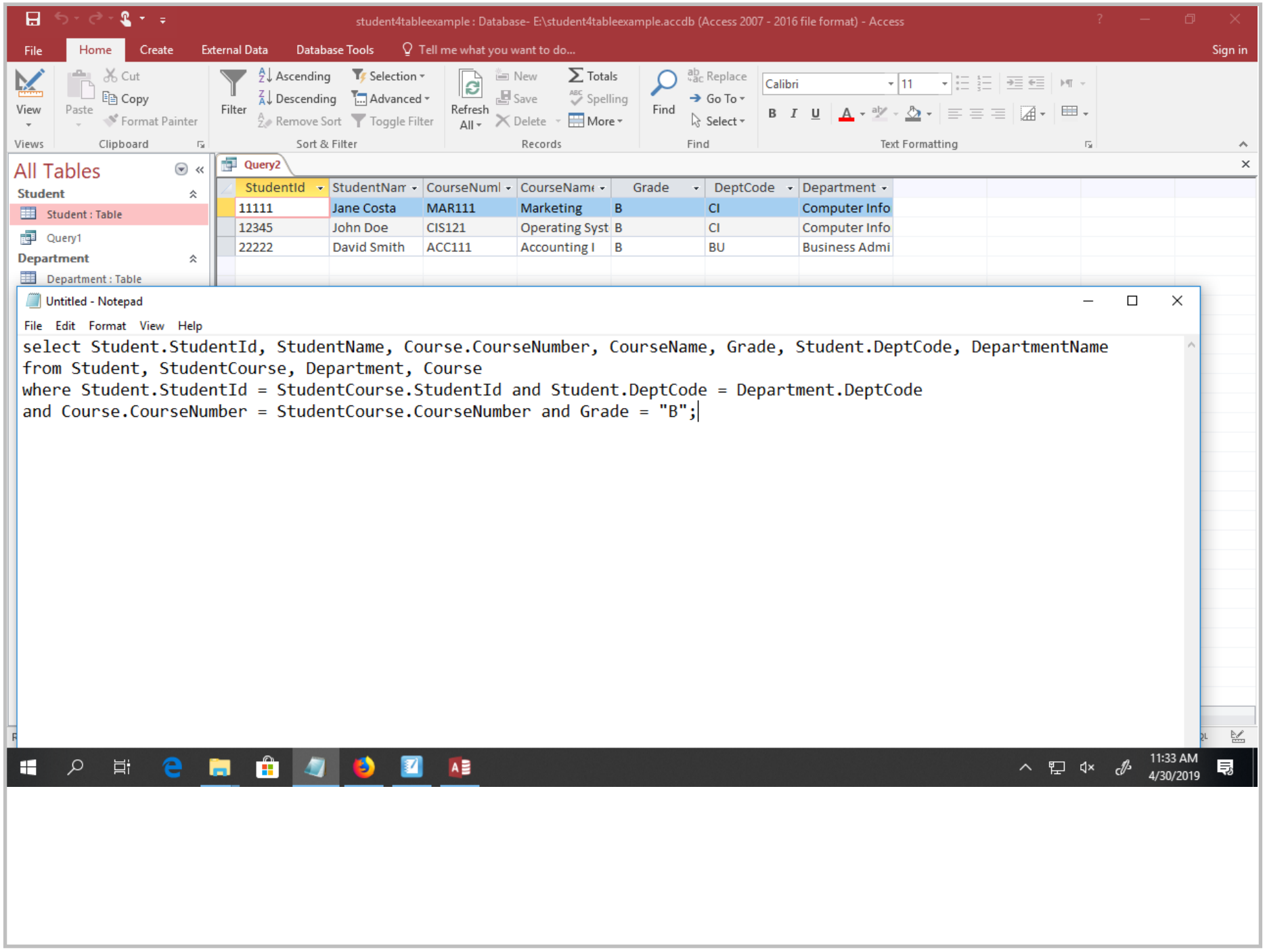
Title: Apr 30-11:29 AM (11 of 14)



Title: Apr 30-11:31 AM (12 of 14)



Title: Apr 30-11:31 AM (13 of 14)



Title: Apr 30-11:33 AM (14 of 14)