

Lab 10: Views

Purpose:

Work with views – create two of them in **CSE581labs** database, extract the data.

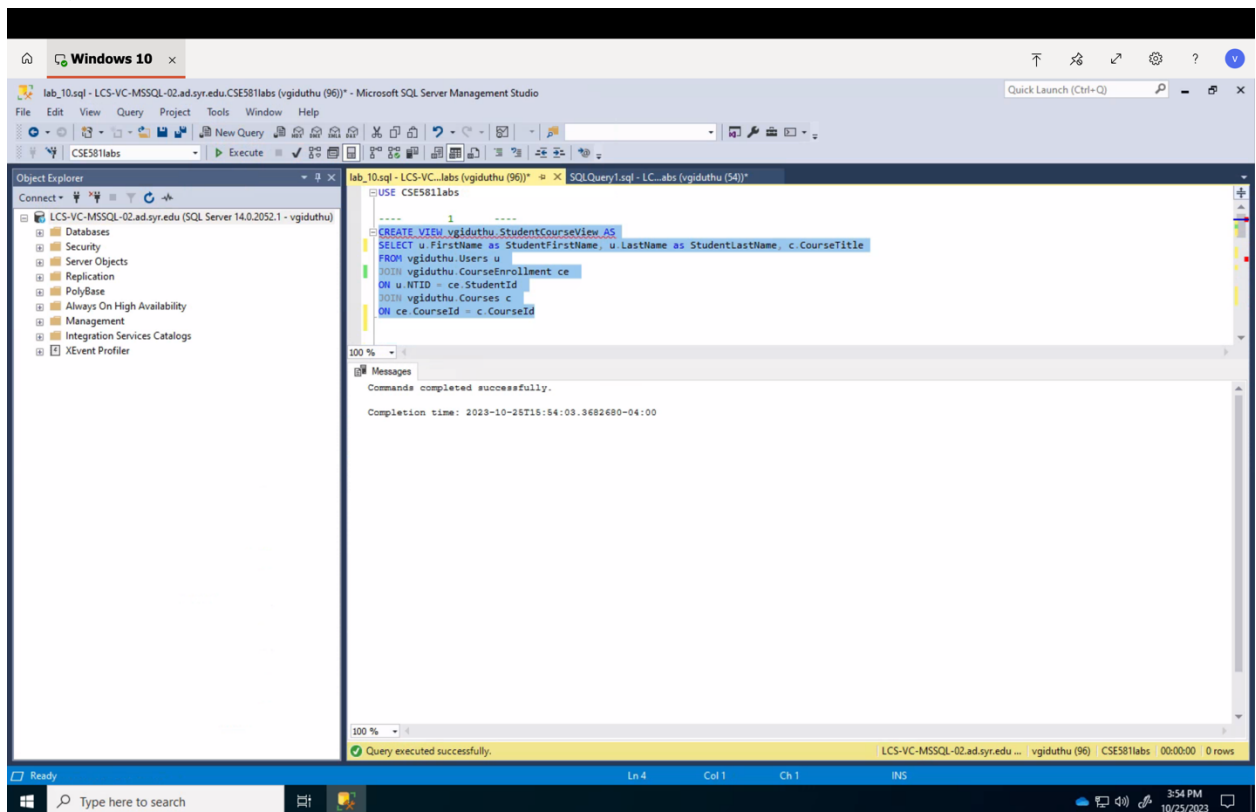
Deliverables:

Multiple screenshots, as described through the lab.

Scripts that you used to carry out the actions.

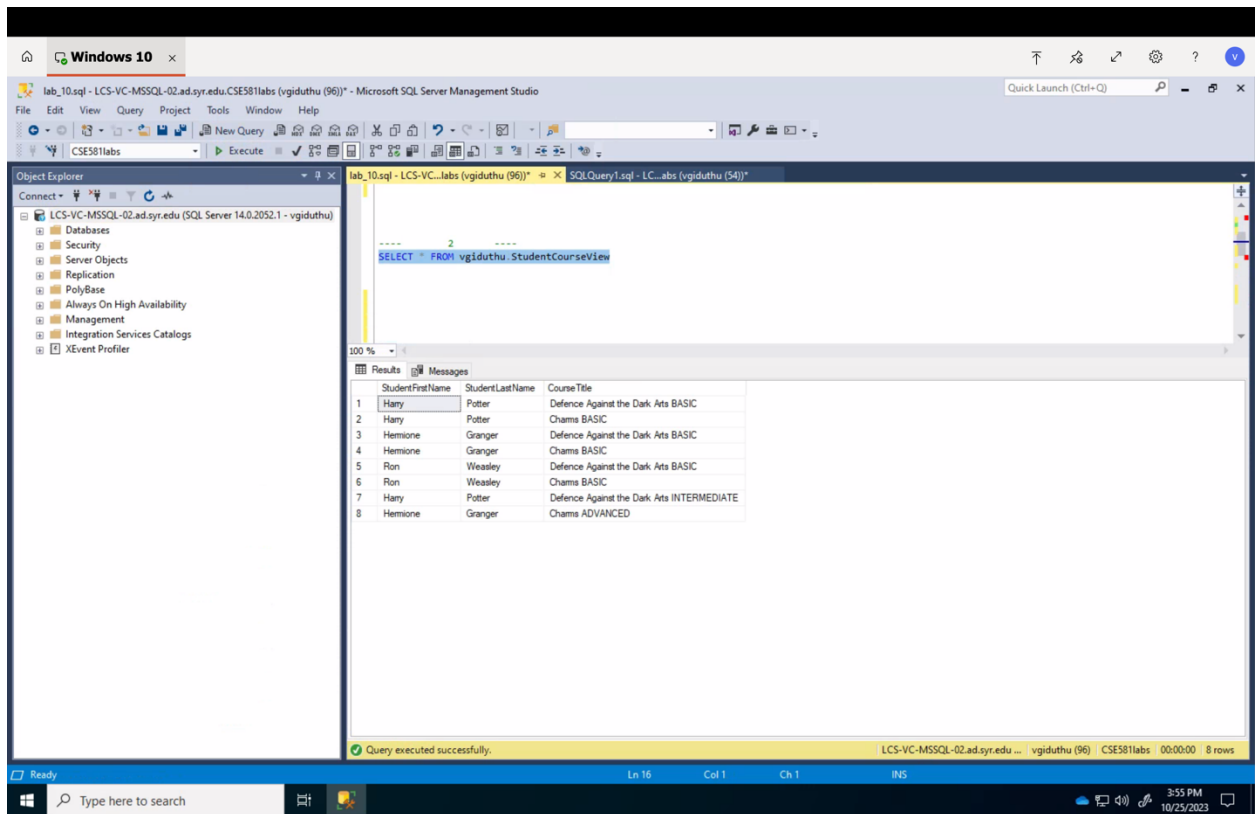
Steps:

1. Create a view that will display all of the following columns, joining tables (you built in Lab 7 & 8) as appropriate: *Provide a **screenshot** of script execution.*
 - a) Student First Name
 - b) Student Last Name
 - c) Course Title

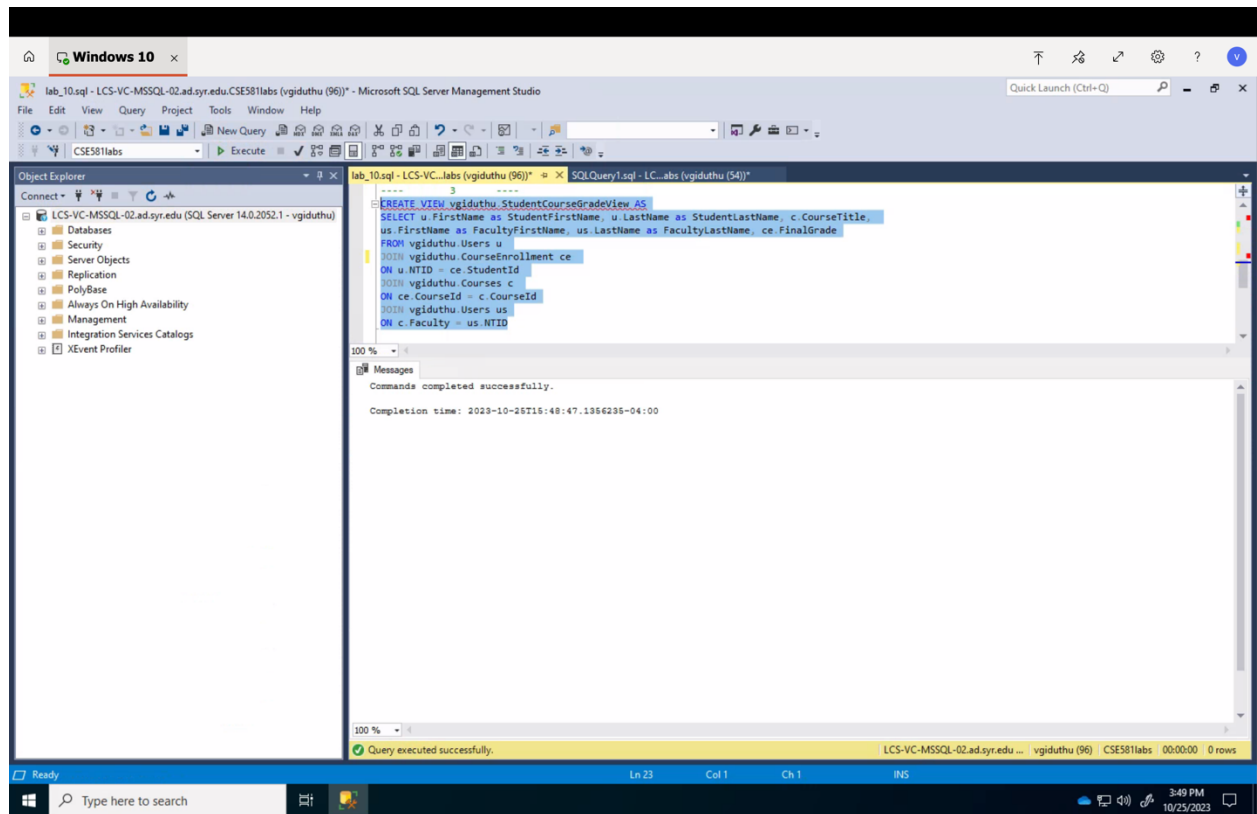


2. Select all data from the view. Provide a **screenshot** of all data¹.

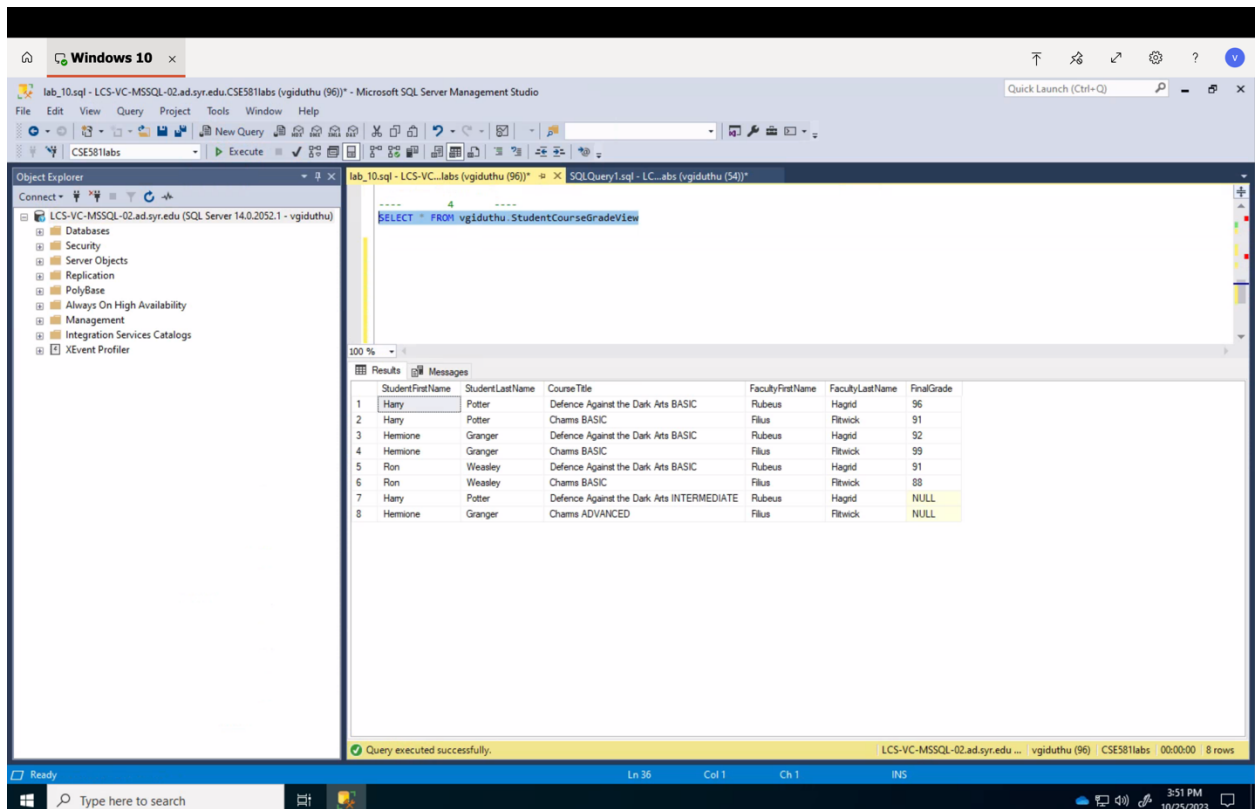
¹ You may need to take multiple screenshots, I want to see every single row/column of the selected data.



3. Create a view that will display all of the following columns, joining tables (you built in Lab 7 & 8) as appropriate: *Provide a screenshot of script execution.*
- Student First Name
 - Student Last Name
 - Course Title
 - Course Faculty First Name
 - Course Faculty Last Name
 - Final Grade (number)



4. Select all data from the 2nd view. Provide a **screenshot**¹.



5. Select data from the 2nd view, *for Harry's classes only*. Provide a **screenshot**¹.

The screenshot shows the Microsoft SQL Server Management Studio interface. The query editor contains the following SQL query:

```
SELECT * FROM vgiduthu.StudentCourseGradeView WHERE StudentFirstName = 'Harry';
```

The query results are displayed in a table with the following columns: StudentFirstName, StudentLastName, CourseTitle, FacultyFirstName, FacultyLastName, and FinalGrade. The results show three rows of data for Harry Potter:

	StudentFirstName	StudentLastName	CourseTitle	FacultyFirstName	FacultyLastName	FinalGrade
1	Harry	Potter	Defence Against the Dark Arts BASIC	Rubeus	Hagrid	96
2	Harry	Potter	Charms BASIC	Filius	Flitwick	91
3	Harry	Potter	Defence Against the Dark Arts INTERMEDIATE	Rubeus	Hagrid	NULL

The status bar at the bottom indicates that the query was executed successfully. The Windows taskbar at the bottom shows the time as 3:51 PM on 10/25/2023.