SDEV 350 Lab 2

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Course: SDEV 350 7380
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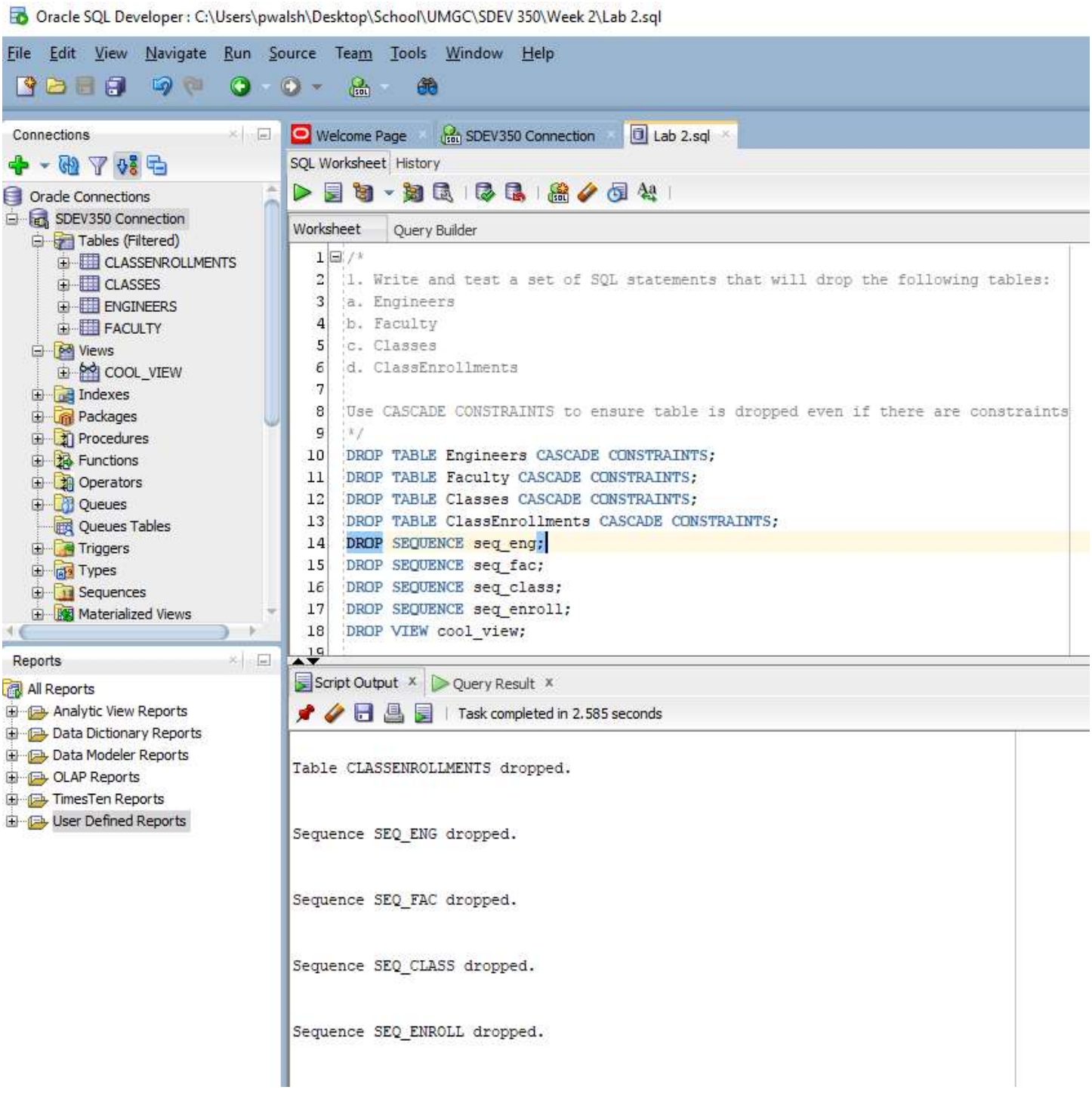
1. Write and test a set of SQL statements that will drop the following tables:
    a. Engineers
    b. Faculty
    c. Classes
    d. ClassEnrollments



2. Write and test a set of SQL statements that will create the following tables:
    a. Engineers

    Primary Key: EID

    Columns: Lastname, Firstname, Email, Graddate

    b. Faculty

    Primary Key: FID

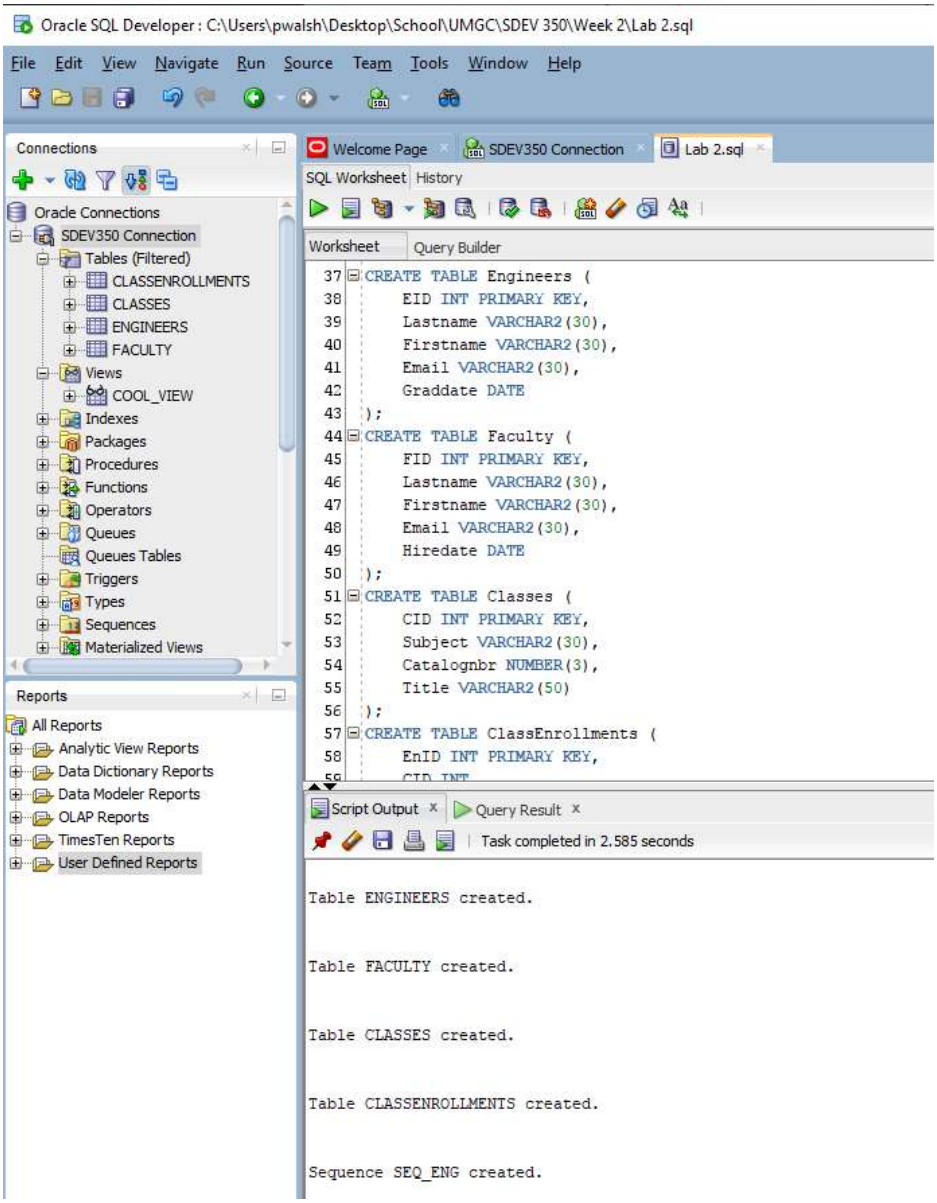
    Columns: Lastname, Firstname, Email, Hiredate

    c. Classes

    Primary Key: CID

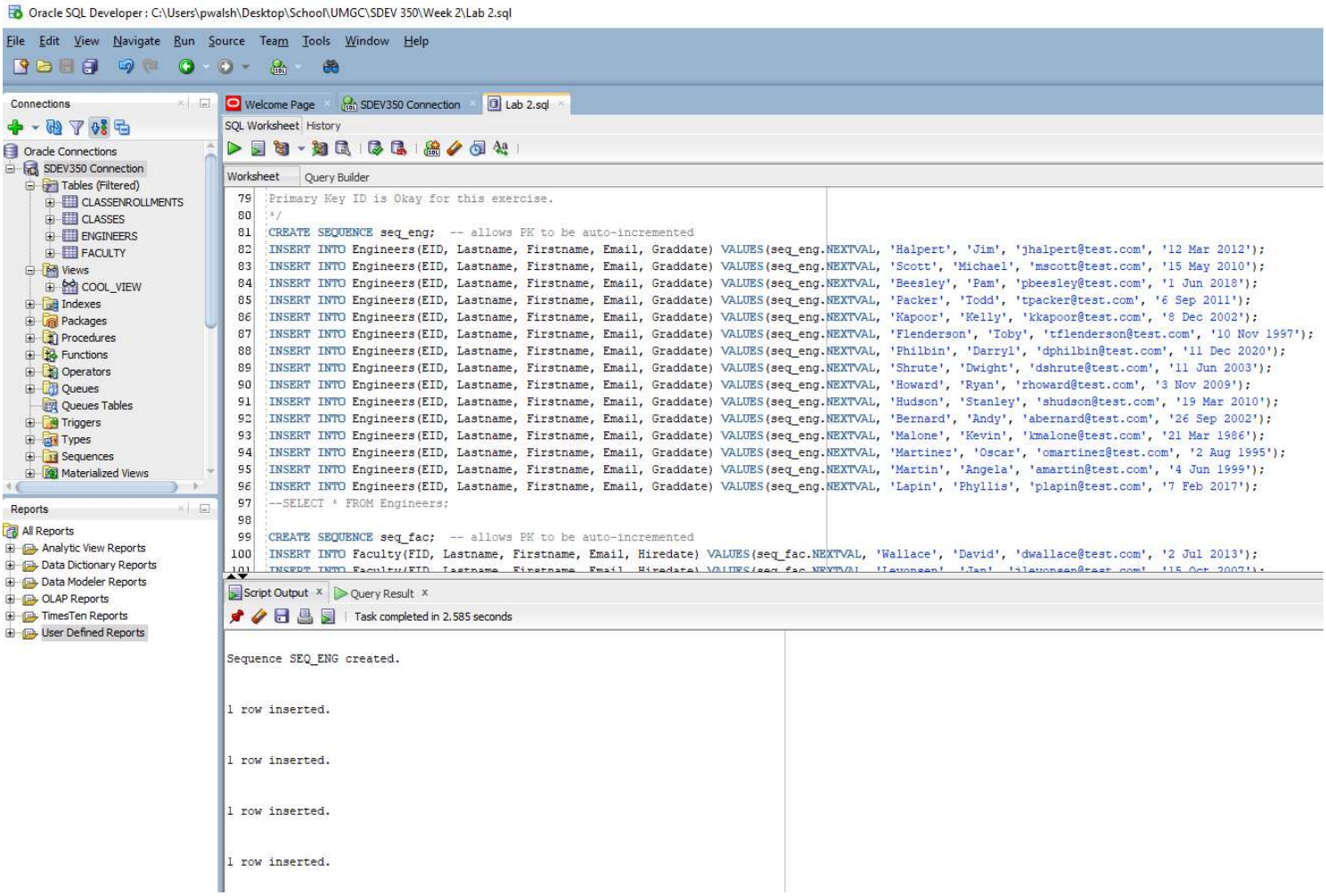
    Columns: Subject (e.g. SDEV), Catalognbr (e.g. 350), Title (e.g Database Security)

    d. ClassEnrollments
    Primary Key: EnID
    Foreign Keys: CID (from Classes), FID (from Faculty), EID (from Engineers)

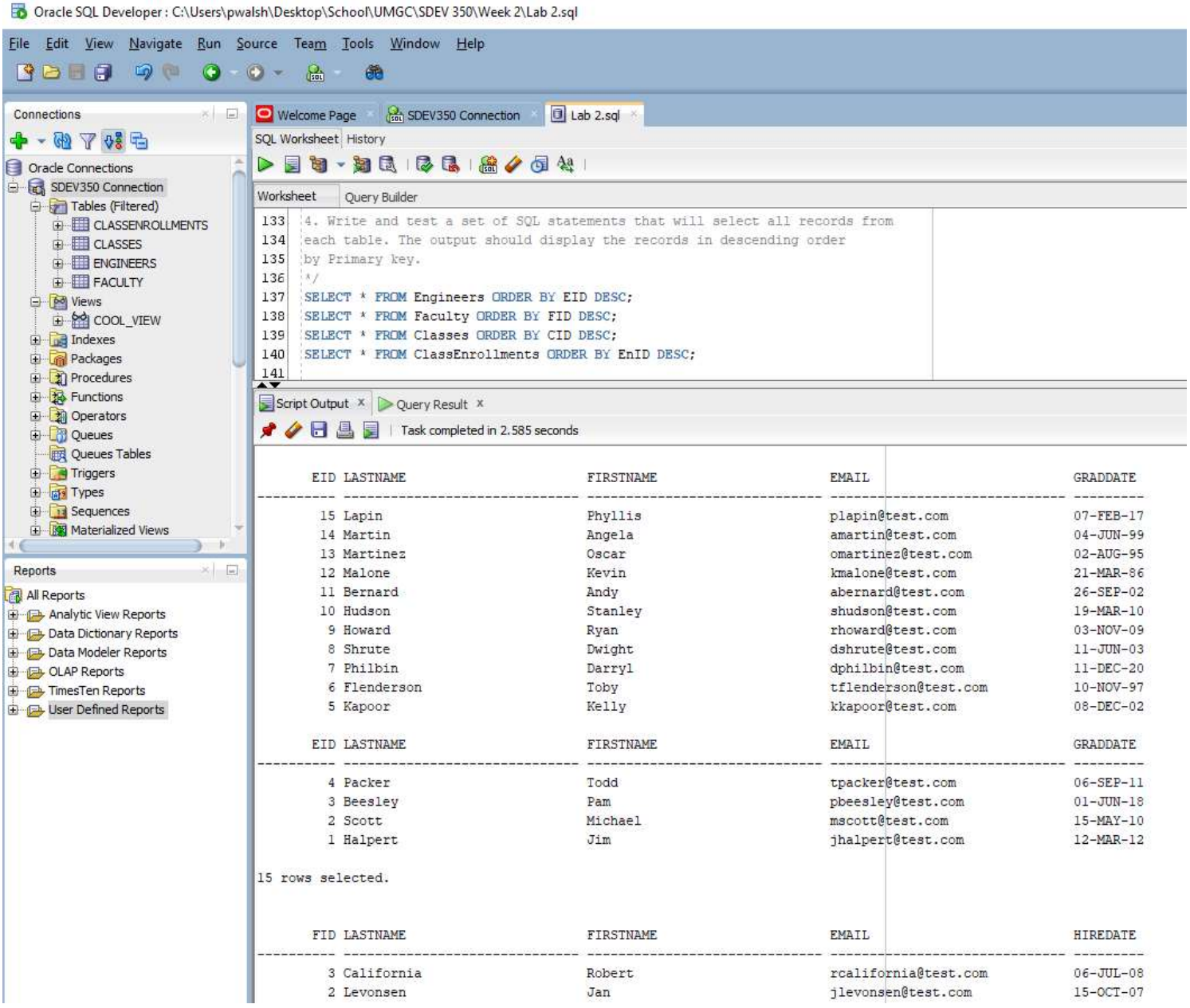


3. Write and test a set of SQL statements that will insert the following quantity of records into each table
    a. 15 Engineers
    b. 3 Faculty

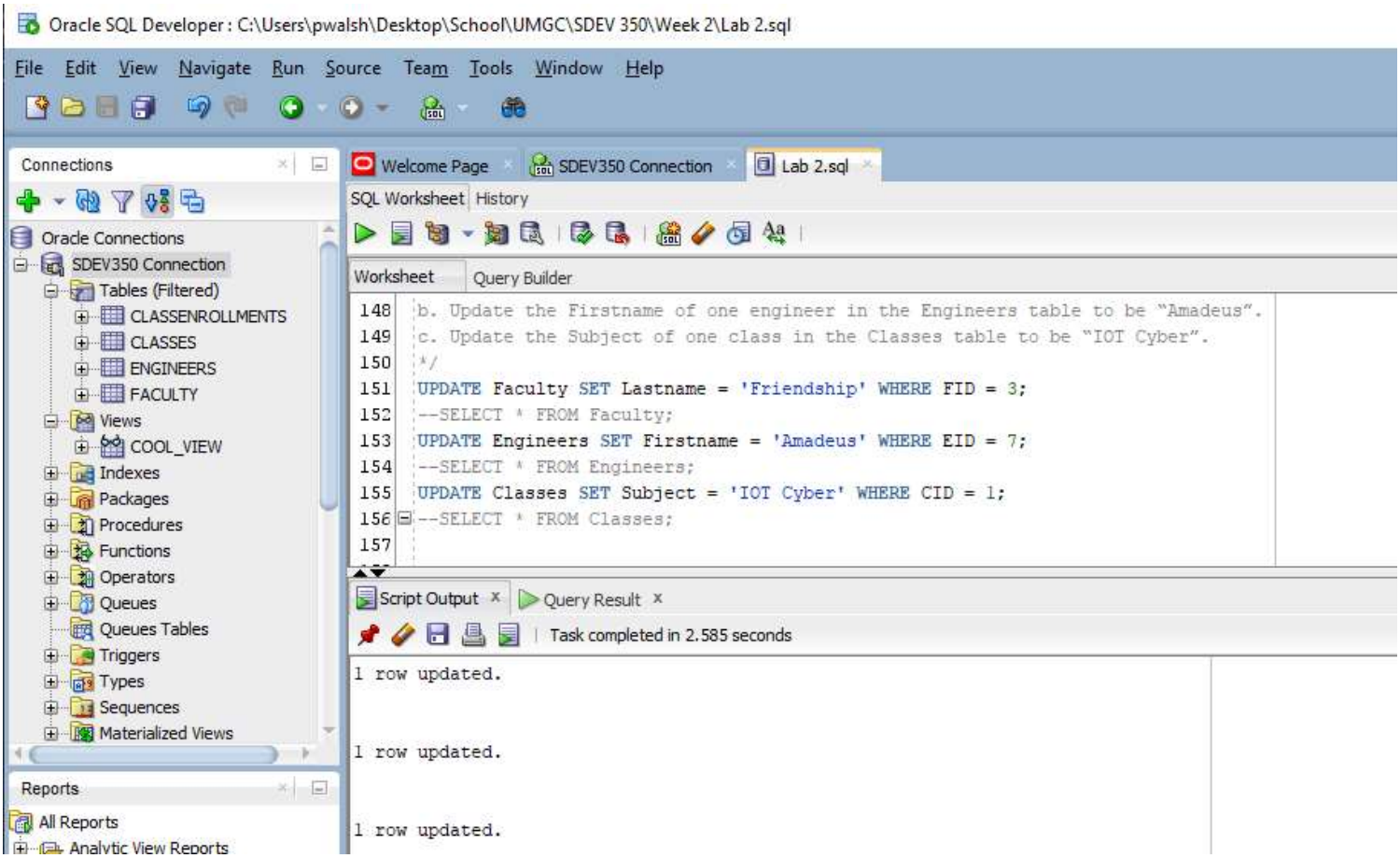
    c. 3 Classes
    d. 15 ClassEnrollments



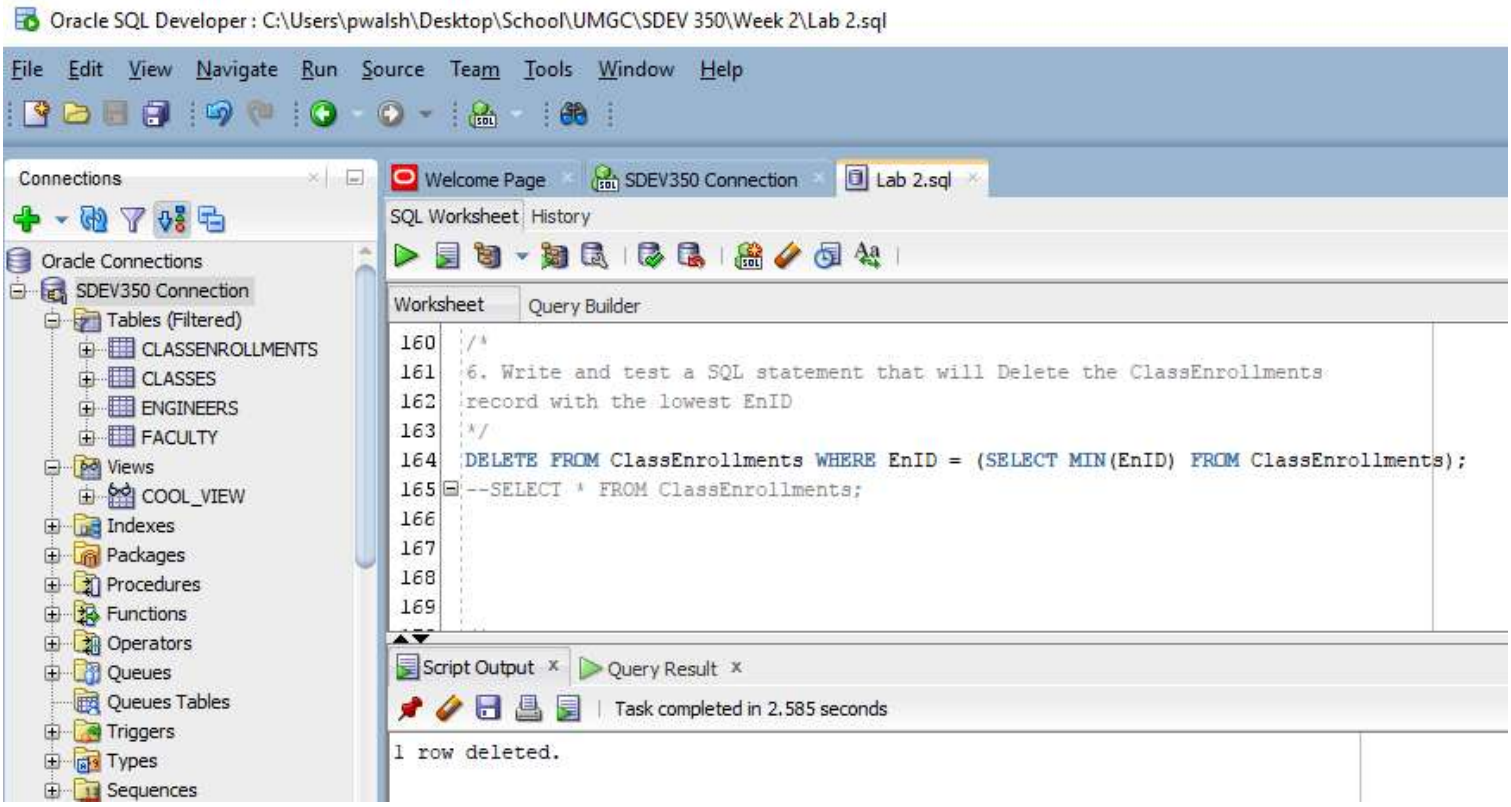
4. Write and test a set of SQL statements that will select **all** records from **each** table. The output should display the records in **descending** order by Primary key.



5. Write and test a set of SQL statements that will Update records with the following specifications
    a. Update the Lastname of one faculty in the Faculty table to be “Friendship”.
    b. Update the Firstname of one engineer in the Engineers table to be “Amadeus”.
    c. Update the Subject of one class in the Classes table to be “IOT Cyber”.



6. Write and test a SQL statement that will Delete the ClassEnrollments record with the lowest EnID



7. Write and test a SQL statement that creates a **view** joining the required tables such that a user can retrieve the Engineer's Lastname and Firstname, the Faculty Lastname and Email and the Classes's Subject and Title for each Course enrollment.