Mark Kardash

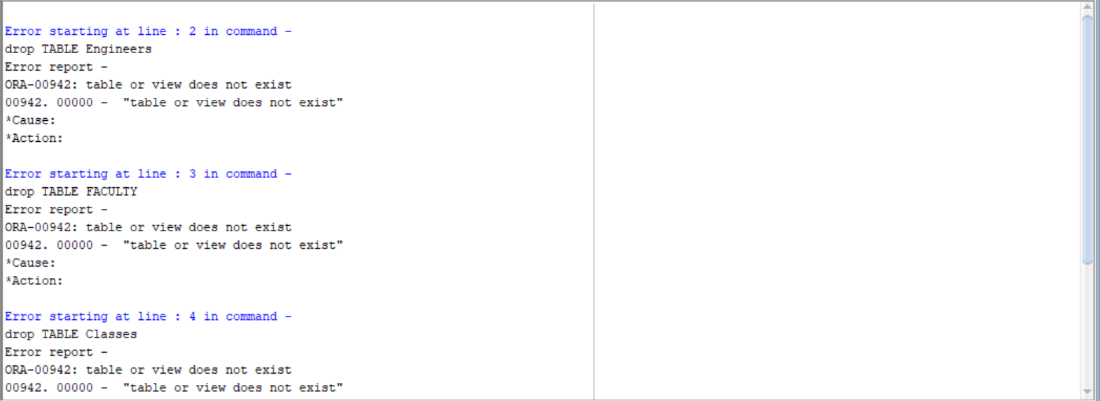
29 August 2023

SDEV350 6380

Professor Carl Eyler

Note: For easier program creation, I have done ONE GENERAL TEST of the program, instead of testing the steps one at a time. Hope that makes sense.







Figures 1a, 1b and 1c: Dropping Tables

The two figures above show the successful completion of Step 1, that is, dropping the tables. Since We have not yet created any tables, it is natural for us to get an error.

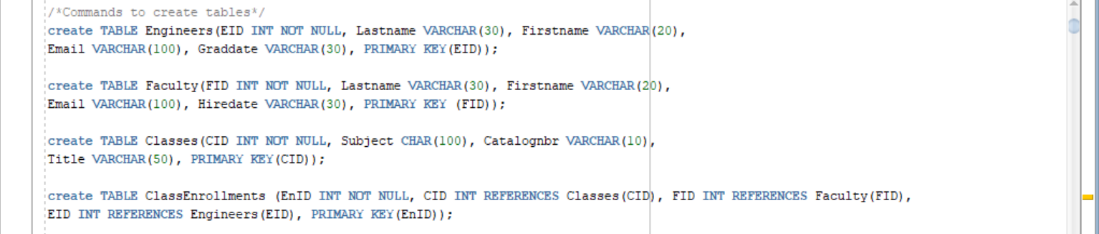


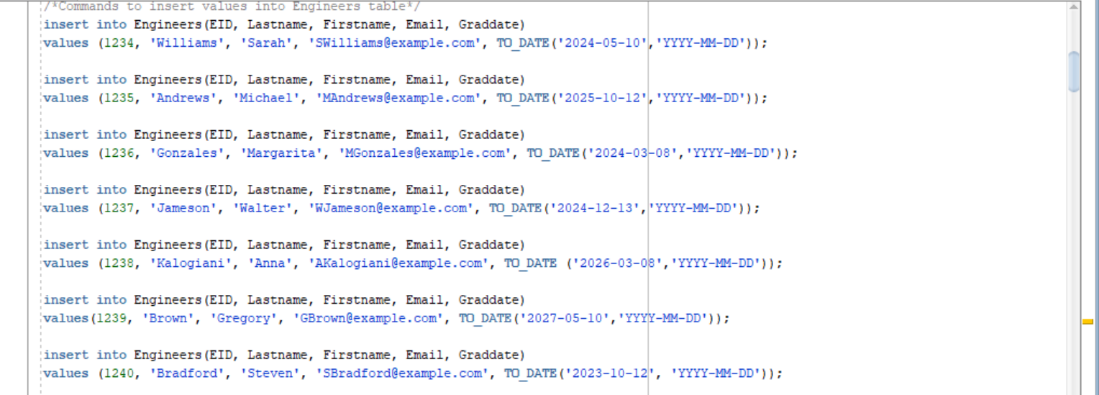
Figure 2a: Creating Tables Code

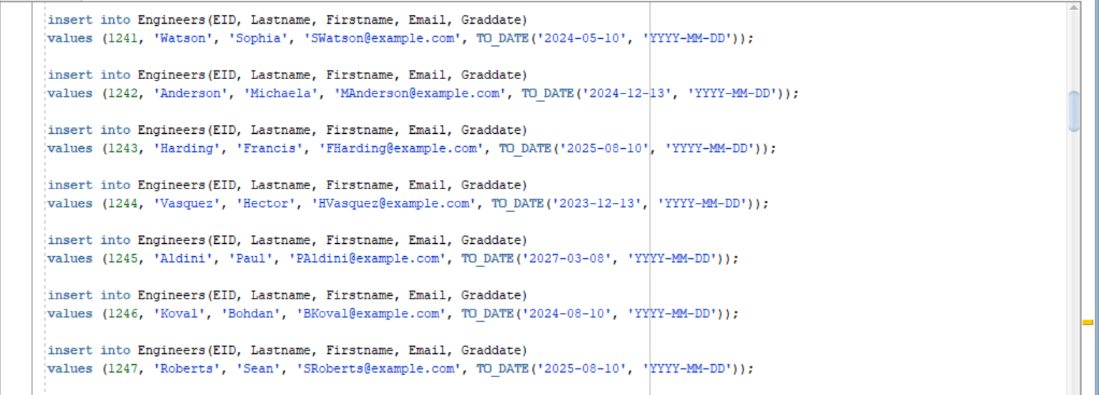
The above image demonstrates the code written to create the tables required.

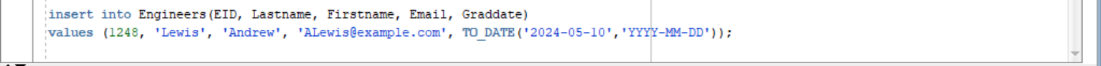


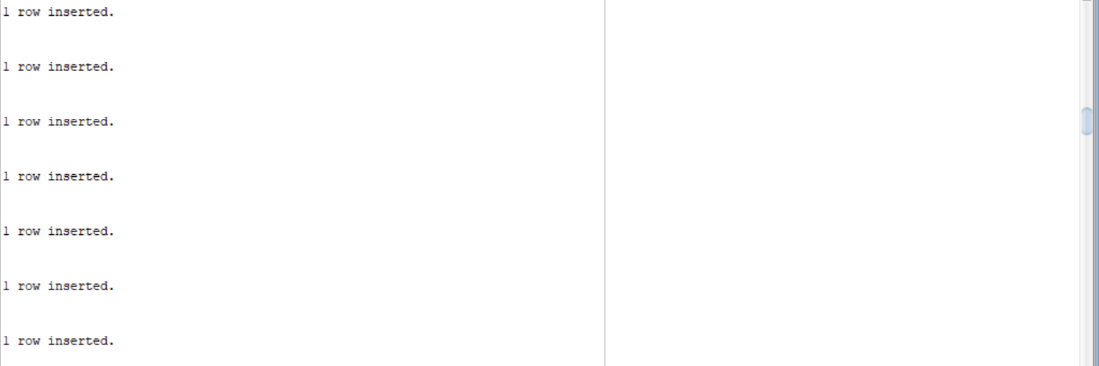
Figure 2b: Creating Tables Result

In the above figure, all 4 of the requested tables have been created successfully, as indicated by the environment, thus completing Step 2.









Figures 3a, 3b, 3c, 3d: Inserting values into Engineers Table

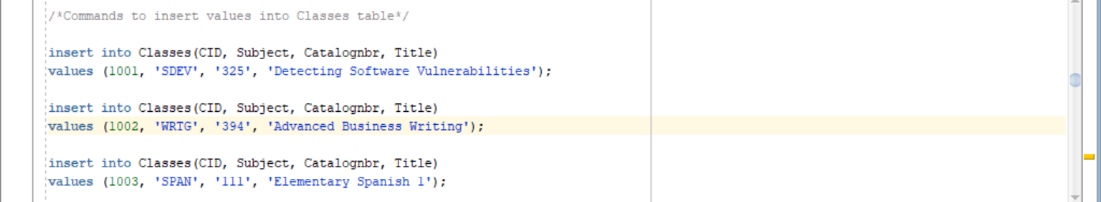
The above figures demonstrate the insertion of records into the Engineer Table. This gives a successful result, with all values inserted (Number of records can be checked in files).





Figures 4a, 4b: Inserting Values into Faculty table.

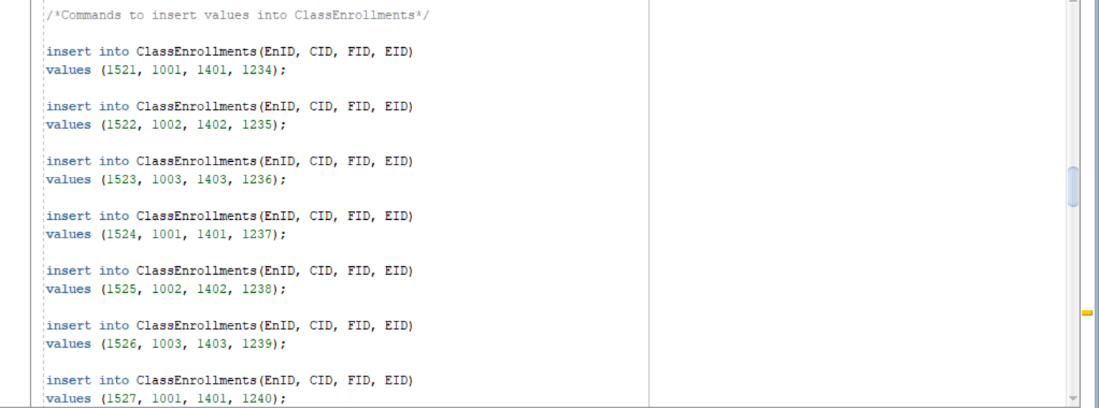
The above images show the successful insertion of three (3) records into the newly created Faculty table.





Figures 5a, 5b: Inserting Values into Classes table

The above images show the successful insertion of three (3) records into the newly created Classes table.



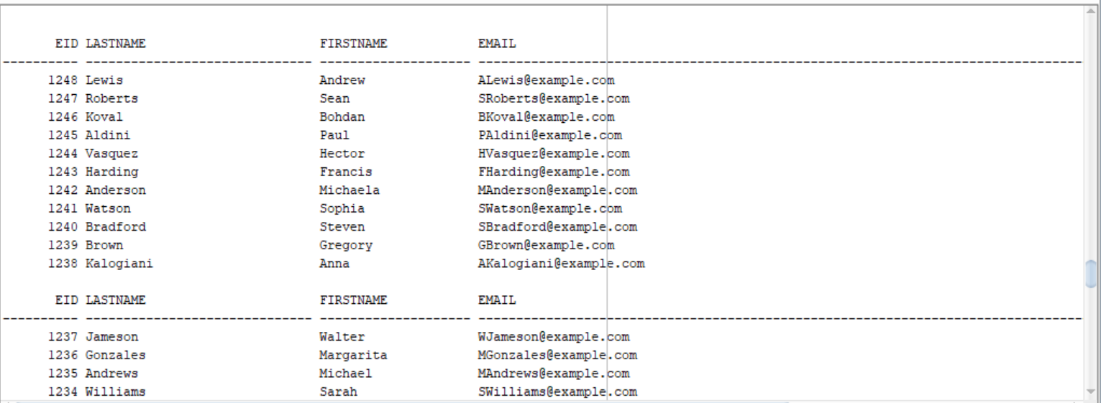


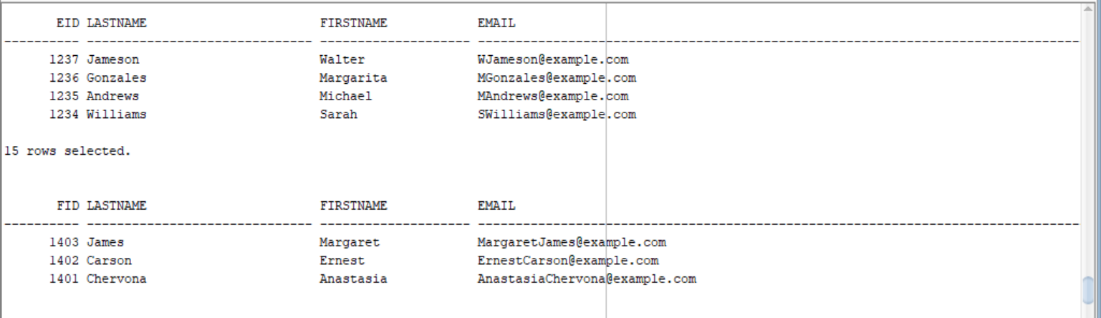


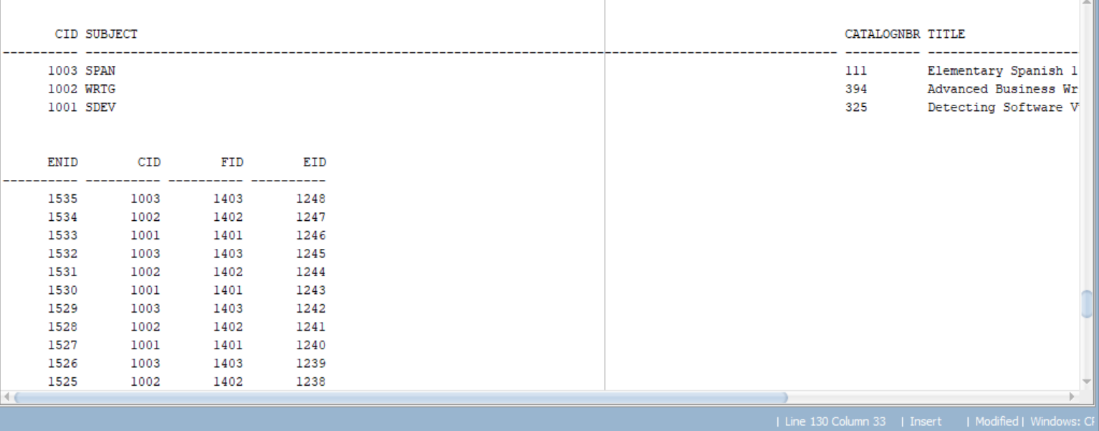
Figures 6a, 6b, 6c, 6d: Inserting Values into ClassEnrollments table.

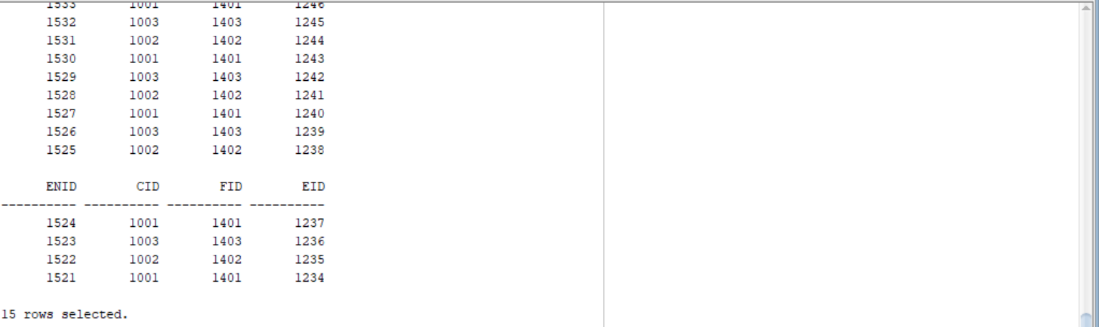
The above figures demonstrate the insertion of records into the ClassEnrollments Table. The result is success, therefore completing Step 3. (Number of records can be checked in files).





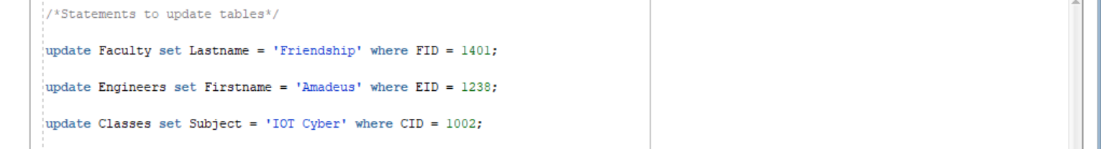


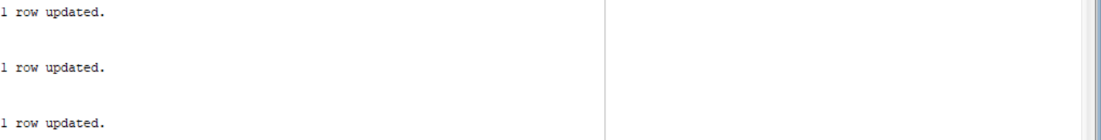




Figures 7a, 7b, 7c, 7d, 7e: Selecting all records.

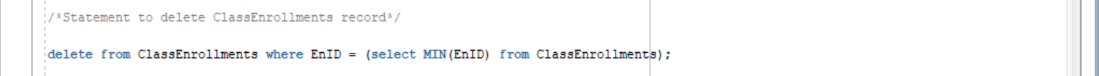
The figures above show the successful demonstration of all records requested, and therefore the completion of Step 4.





Figures 8a, 8b: Updating Rows

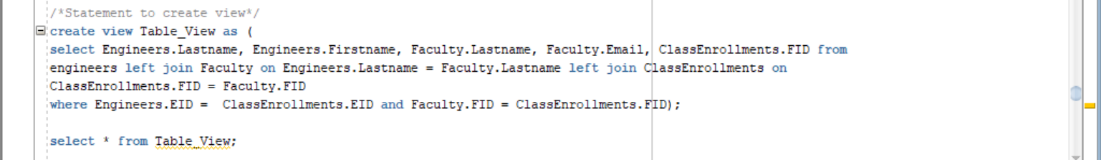
These figures show the code and result of updating rows with new data. Since all three (3) rows are now updated, Step 5 is a success.

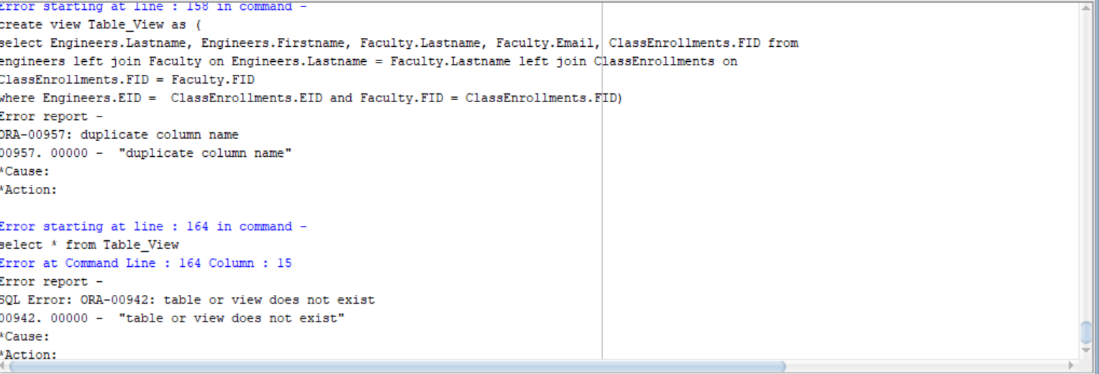




Figures 9a, 9b: Deleting a row.

Here, we see the code and result for deleting the row with the smallest EnID.





Figures 10a, 10b: Creating a View.

The only step of the program to fail. The above attempt to create a view returned errors of duplicate columns and nonexistent views.

UPDATE:

After revising the last step, I was finally able to create the view correctly:

A screenshot of a computer

Description automatically generated

Figure 11: Correct View Creation

As seen in the above figure, the view has been created successfully.

A screenshot of a computer

Description automatically generated

Figure 12: View Test

The above image shows that we have managed to successfully test the view, by selecting all of the information in it (We did so after we gave columns with duplicate names varying aliases).

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

Figures 13.a, 13.b, 13.c, 13.d, 13.e, 13.f, 13.g. 13.h, 13.i, 13.j, 13.k, 13.l: General Final Test Run of Script

In the figures above, we conduct a final run of the entire script to make sure it functions correctly. Although it seems to be functioning fine, some columns of the view look mismatched, and subject code WRTG394 has been, for some reason, been replaced with “IOT Cyber”, and I haven’t got a clue what that is. Otherwise, testing went well.