**The purpose of this assignment**

* Implement your Final Project - Part 1 database design.

**To prepare for this assignment**

* **Review** all the Modules.
* **Review** the assignment rubric to see how points are awarded.

**To complete this assignment**

1. **Review** the file below to check the database design you created in Final Project - Part 1. If you need to, make changes to your Part 1 database design to match the specifications (ER Diagram) in the attached file.

[Final Project - Part 1 Diagram](https://bc.instructure.com/courses/2528650/files/266451159/download?wrap=1)

[Download Final Project - Part 1 Diagram](https://bc.instructure.com/courses/2528650/files/266451159/download?download_frd=1)

2. **Review** [FinalProjectData.xlsx](https://bc.instructure.com/courses/2528650/files/266450827/download?wrap=1)

[Download FinalProjectData.xlsx](https://bc.instructure.com/courses/2528650/files/266450827/download?download_frd=1) and **use** [FinalStart.sql](https://bc.instructure.com/courses/2528650/files/266451987/download?wrap=1)

[Download FinalStart.sql](https://bc.instructure.com/courses/2528650/files/266451987/download?download_frd=1) to create the database, create some of the tables, and load some of the tables.

3. **Write** the SQL code to create any additional tables needed to match the database design.

4. **Write** the SQL code to create any required relationships between the tables.

5. **Write** the SQL code to load the additional tables you created in step 3.

6. **Create** a SQL Server database diagram. Make sure all the tables in the database are showing and that there are no asterisks. (An asterisk indicates that the diagram was not saved successfully). If you get an error when trying to create a database diagram, use this: [Setting the database owner.pdf](https://bc.instructure.com/courses/2528650/files/266451983?wrap=1)

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7. **Create** a new query to join all the tables in the database and return all the data in the database. Don't return fields that don't mean anything to the report viewer (e.g. DivisionKey, CourseKey, etc.).

8. **Create** a stored procedure (called usp\_CourseOutcomes) that returns all the data in the database for a particular division. Test for the existence of the procedure before creating it. Pass the name of the division as an input parameter. Make the default value of the parameter 'IBIT'. Make sure you test the procedure by passing different division names when you execute it. Also make sure you test that the default value works.

9. **Submit** your SQL code (.sql file) from steps 3, 4, and 5 that you used to create tables and insert data. Name the file Xxxxx-Final-2DDL, with Xxxxx being your last and first name.

10. **Submit** a screen shot of your step 7 query and the results of the query in an image file (.png or .jpg). Name it Xxxxx-Final-2Query, with Xxxxx being your last and first name.

11. **Submit** a screen shot of your step 6 diagram in an image file (.png or .jpg). Name it Xxxxx-Final-2Diagram, with Xxxxx being your last and first name.

12. **Submit** the SQL code (.sql file) you used to create the stored procedure in step 8. Name the file Xxxxx-Final-2Proc, with Xxxxx being your last and first name.

**You should submit a total of 4 files -- 2 image files and 2 .sql files.**

