

Database Management Systems II (DBMS-2004)

Assignment #2 – EXPORT and IMPORT

For this assignment you will be using the database 'JRMOVIE' (created in your schema).

1. Your company has just taken over a small competitor. To help boost business, you want to load the competitor's database into your own. The DBA from the other company will produce extract files for the necessary tables. She has provided files to test with.

Required:

Using the test files provided, load them into the Customer, RentalAgreement and MovieRented tables using the SQL Loader utility. The entire load should be done by running a single batch file. Do not provide file names for the Bad file, Discard or Log file. Let the names default. Use a conventional load method, and append the new records to the existing tables. Run the load on the tables in your schema.

Submission Instructions:

Submit the following:

- All files needed by the SQL Loader utility for all loads
 - The batch file you create to load the tables (called LoadTables.bat)
 - The result files produced from running the load
2. Your management reporting system uses an Excel spreadsheet to generate some reports. You need to export some data to CSV format so it can be opened in Excel. The required information comes from several tables:
 - a. RentalAgreement – CustID and AgreementDate
 - b. Movie Rented – RentalAmount and PercentReductionApplied
 - c. Movie – MovieID, Name, Released

Required:

Extract data from the required tables using SQLPlus into a single file (one record will contain all pieces of the data). If any of the rows contain a PercentReductionApplied that is null, replace the null with a zero. If any rows contain a Released value that is null, replace the null with the phrase 'Unknown'. Since the reporting is done on a monthly basis, only export data for the last 30 days on the table (the data to extract is the last 30 days as based on current table data, NOT the last 30 days data from the CURRENT_DATE). The export must be run using a single batch file named 'DataExport.bat' that runs the DataExport.sql script. The data file produced must be named 'DataExport.dat'

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Submission Instructions:

Submit the following:

- All files needed to perform the export
- The batch file you create to perform the export
- The result file produced from running the export

The following standards are to be used when coding:

- Keywords are in Uppercase
- Names are coded in 'TitleCase' (First letter of each word capitalized)
- Each clause is placed on a line by itself

Submission Instructions

- Compress all files into a zip archive named *lastname_firstname_A2* and submit the archive to the appropriate LEARN dropbox.

Marking Guidelines

- The assignment will be marked using a rubric (attached to the assignment in LEARN).
- The rubric will include marks sections for the following:
 - Proper file naming & submission
 - Proper commenting
 - Proper coding guidelines (capitalization, clause placement, etc)
 - Solutions producing correct results