

Data Redundancy Assignment

The purpose of this assignment is to understand how data redundancy works, when to use it, and why it can be detrimental to data integrity and performance.

Assignment Requirements

Download the Data Redundancy Exercise worksheet from D2L. **Open** the workbook and **create** a **separate** EXCEL worksheet for each table created from the Raw Data worksheet. **Add** the data to each worksheet's columns. Tables should implement only **good** data redundancy. **Create** an SQL script in Notepad that CREATES the tables and INSERTS the data using SQL.

How to Know if Your Assignment is Complete

Make sure your worksheets handle the following questions without any insert, update, or delete anomalies. Do not actually put these in your workbook, just make certain the data you have stored

1. Create a report be used to answer these questions sort in zip code order
2. List all the work study students from a specific state.
3. How many work study students live in Mankato?
4. Change the rates for each level of work study student.
5. Total time spent on each task.
6. Total cost of each project.

Submitting Assignment

Name the Excel workbook, LastnameFIRedund.xlsx, e.g. WellsMRedund.xlsx. **Name** the notepad document containing the SQL script, LastnameFIRedundSQL.txt. **Drop** these files into the Data Redundancy dropbox on D2L. If this assignment was assigned to a group, **EVERY** member must submit his/her own file to their dropbox. **List** your partner(s)'s name(s) in the **comment** field of your submission.