

Lab Exercise #2 (10%)

SGG4563 Advanced Database System MapInfo Professional + SQL Server

Objectives of the first lab exercise:

- § To familiarize students with troubleshooting hardware and installation process of RDBMS software.
- § To encourage students with critical thinking in problem solving by adapting “try-and-error” technique in troubleshooting basic GIS components.
- § To enhance knowledge on integrating databases and handling basic GIS functions using MapInfo Professional software.

Tasks:

1. Installation process:
 - a. Install Microsoft SQL Server (version 2000 or latest, if applicable).
 - b. Install MapInfo Professional (version 8.5 or latest) software (if applicable).
2. Troubleshooting:
 - a. Install any necessary Service Packs or updates.
3. Write a detail report on how to:
 - a. populate existing attributes (Kelantan_Stats.dbf) into SQL Server
 - b. make a read/write connection to the existing shapefiles using MapInfo.
 - c. connect to the populated database in SQL Server using MapInfo.
 - d. join spatial database with SQL database using MapInfo
 - e. convert text (string) to number (value).
 - f. create a thematic map.
 - g. describe some connection troubleshooting and analysis comparisons between GeoMedia and MapInfo software.

Note:

- § Upload your report either in word document file (*.doc / *.docx) or as PDF (*.pdf) file or as zipped file (*.zip or *.rar).
- § NO hardcopy printing is required.
- § Late submission will be given zero (0) marks and will not be entertained.