**Dipika Jothinathan – Homework 2**

1. Which programming language is used in Power Query?

The M formula language is the data transformation scripting language of Power Query.

2. What is Power Query?

Power Query is a data transformation and data preparation engine. Power Query comes with a graphical interface for getting data from sources and a Power Query Editor for applying transformations. Because the engine is available in many products and services, the destination where the data will be stored depends on where Power Query was used. Using Power Query, you can perform the extract, transform, and load (ETL) processing of data.

3. What are some common Power Query/Query Editor transform functions?

The transformation engine in Power Query includes many prebuilt transformation functions that can be used through the graphical interface of the Power Query Editor. These transformations can be as simple as removing a column or filtering rows, or as common as using the first row as a table header. There are also advanced transformation options such as merge, append, group by, pivot, and unpivot. All these transformations are made possible by choosing the transformation option in the menu, and then applying the options required for that transformation.

4. What do you understand by the term 'M language' in Power BI?

M Query is a mashup query language used to query a multitude of data sources. It contains commands to transform data and can return the results of the query and transformations to Power BI data model. So normally we use M Query to query data sources, clean and load data, then use DAX to analyse the data in Power BI.