ETL Practical Session – BBC II (Business Intelligence & Data Warehousing)

i. Create a folder on the desktop in your names and reg. number.

ii. Open PowerBI and save the new file inside your folder.

iii. Extract and load data from various sources provided (Sample Store Data, Northwind Access Database).

iv. Open Power Query Editor to make the following transformations on the extracted data.

   a. Rename users table to managers.

   b. Rename columns from column 1 and column 2 to region and manager.

   c. Add last name to the managers details by duplicating the manager column. Rename this column to last Name.

   d. Replace values in the last name column.

   e. In the orders dataset, remove columns: row id, product base margin, order priority and quantity ordered new.

   f. Only data for the following states should be retained: Arizona, California, Florida, New Jersey and New York.

   g. Rename column State or Province to State. Sort the data therein in ascending order.

   h. Merge information from the managers table into orders table. They both have a common field (region field).

   i. Filter out data of the central region from the data set and after sort the new dataset basing on the manager.region.

   j. Rename the new merge query as Order by region.

   Assignment.

   k. Merge the orders and returns tables into a new query. All data in the orders table must be returned. Show the returned data.

   l. Ensure the merged data is visible. Filter out all the null values.

   m. Rename the new merge query as Returned Orders.

   n. Ensure the data in the discount column is in percentage and in no decimal places.

   o. Make the unit price in dollar currency.

   p. Remove days of the week from the Order date data.

   q. Categorize the following data sets accordingly: state, city, postal code.