Task

Prerequisites: Install SSDT (data tools including Integration services and Analysis services) for VS

The goal is to load data from csv file(result.csv) to Sql server(ETL) DB and create statistics based on the data (Analysis cube).

ETL requirements:

1. Create DW (datawarehouse) DB from scratch using sql scripts (or c# code)
2. Load file into DW DB using SSIS (SSDT integration services)
3. Main DW name is BiTestDw .
4. ETL should run via Sql Agent. Job schedule scripts should be provided.
5. ETL should run every Sunday at 23-00
6. Create dimension tables , dimensions are Customer, Employee, Product
7. Create one fact table: Price, Discount%, Quantity columns and references to dimensions

OLAP: requirements

1. Olap DB resided on local server
2. Olap Db contains the following dimensions: Client, Employee, Product.
3. Olap cube should contain the following measures
   1. Total sales count (Sales Count).
   2. Average percent discount (Avg Discount) and (Avg Discount %)
   3. (Avg Product Price).
   4. Total sold amount (Total Sold).

CSV file description

1. Customer - products consumer
2. Employee - products provider
3. Product
4. Quantity – number of products sold
5. Price – the price of one item (without discount)
6. Discount - % of Product Amount