# **PES UNIVERSITY**

# ELECTIVE 1: DATABASE TECHNOLOGIES (UE18CS315) ASSIGNMENT 5

**NAME: SHAAZIN SHEIKH SHUKOOR** 

**SRN:** PES1201801754

**SEMESTER:** 5

**SECTION: J** 

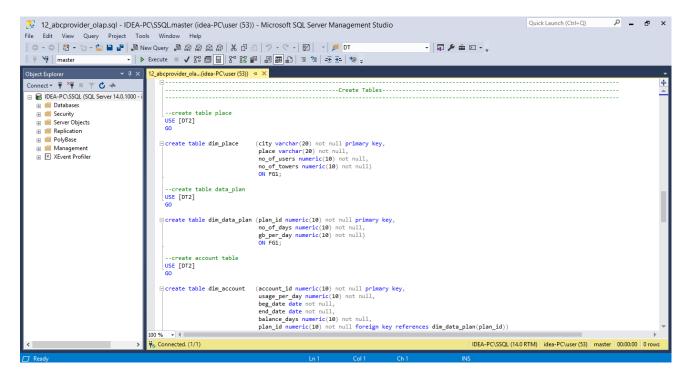
### Creating database 'DT2':

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2 12_abcprovider_olap.sql - IDEA-PC\SSQL.master (idea-PC\user (53)) - Microsoft SQL Server Management Studio
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□ IDEA-PC\SSQL (SQL Server 14.0.1000 -
  CONTAINMENT = NONE
                                       ON PRIMARY

NAME = N'D12', FILENAME = N'D:\DT2\DT2.mdf' , SIZE = 8192KB , FILEGROWTH = 65536KB )
  ( NAME = N'DT2_log', FILENAME = N'G:\DT2\DT2_log.ldf' , SIZE = 8192KB , FILEGROWTH = 65536KB )
  ALTER DATABASE [DT2] SET COMPATIBILITY_LEVEL = 140
                                      ALTER DATABASE [DT2] SET ANSI_NULL_DEFAULT OFF
                                      ALTER DATABASE [DT2] SET ANSI_NULLS OFF
                                      ALTER DATABASE [DT2] SET ANSI_PADDING OFF
                                      ALTER DATABASE [DT2] SET ANSI_WARNINGS OFF
                                      ALTER DATABASE [DT2] SET ARITHABORT OFF
                                      ALTER DATABASE [DT2] SET AUTO_CLOSE OFF
                                      ALTER DATABASE [DT2] SET AUTO_SHRINK OFF
                                      ALTER DATABASE [DT2] SET AUTO_CREATE_STATISTICS ON(INCREMENTAL = OFF)
                                       LITER DATABASE [DT2] SET AUTO_UPDATE_STATISTICS ON
                                      ALTER DATABASE [DT2] SET CURSOR_CLOSE_ON_COMMIT OFF
                                      ALTER DATABASE [DT2] SET CURSOR_DEFAULT GLOBAL
                                                                                                                          IDEA-PC\SSQL (14.0 RTM) | idea-PC\user (53) | master | 00:00:00 | 0 ro
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Creating tables (dim place, dim data plan, dim account, dim customer, fact abc):

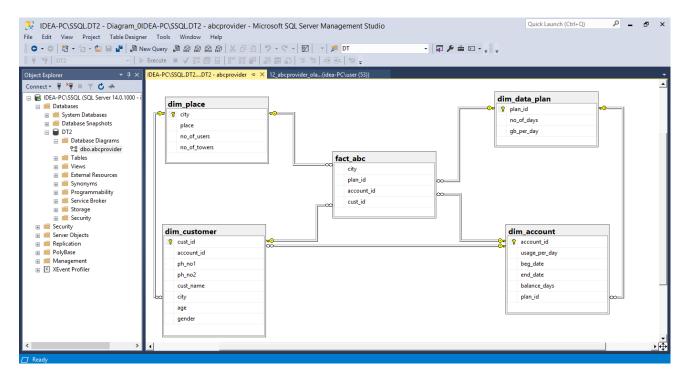


## Inserting values into the tables:

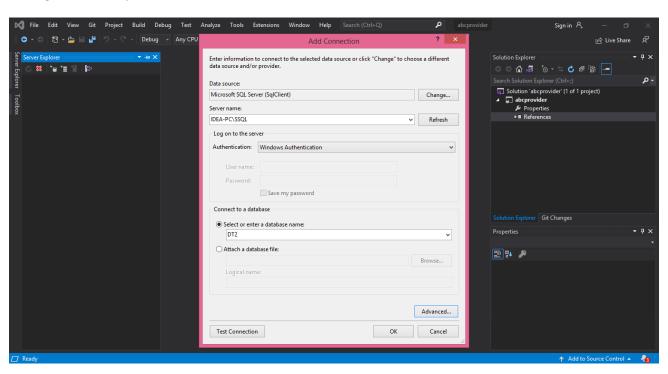
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☐ ■ IDEA-PC\SSQL (SQL Server 14.0.1000)
                                                                                                           -----Insert Values------
         --insert in dim_place (city,place,no_of_users,No_of_towers) VALUES ('Mangalore','Karnataka',10,5) INSERT INTO dim_place (city,place,no_of_users,No_of_towers) VALUES ('Bangalore','Karnataka',20,10) INSERT INTO dim_place (city,place,no_of_users,No_of_towers) VALUES ('Mysore','Karnataka',15,5) INSERT INTO dim_place (city,place,no_of_users,No_of_towers) VALUES ('Vdupi', 'Karnataka',15,7) INSERT INTO dim_place (city,place,no_of_users,No_of_towers) VALUES ('Vdupi', 'Karnataka',15,7) INSERT INTO dim_place (city,place,no_of_users,No_of_towers) VALUES ('Munar', 'Kerala',10,2)
        --insert in dim_data_plan
INSERT INTO dim_data_plan (plan_id,no_of_days,gb_per_day) VALUES (101,60,2)
INSERT INTO dim_data_plan (plan_id,no_of_days,gb_per_day) VALUES (102,30,1.5)
INSERT INTO dim_data_plan (plan_id,no_of_days,gb_per_day) VALUES (108,365,2)
INSERT INTO dim_data_plan (plan_id,no_of_days,gb_per_day) VALUES (104,61,51)
INSERT INTO dim_data_plan (plan_id,no_of_days,gb_per_day) VALUES (105,180,1)
                                                                                                         --insert in dim_account (account_id_usage_per_day,beg_date,end_date,balance_days,plan_id) VALUES (1001,1,'2020-02-01','2020-04-01',30,101)
INSERT INTO dim_account (account_id_usage_per_day,beg_date,end_date,balance_days,plan_id) VALUES (1002,1.5,'2020-02-01','2020-03-01',20,102)
INSERT INTO dim_account (account_id_usage_per_day,beg_date,end_date,balance_days,plan_id) VALUES (1003,2,'2020-02-01','2021-02-01',25,103)
INSERT INTO dim_account (account_id_usage_per_day,beg_date,end_date,balance_days,plan_id) VALUES (1004,1,'2020-02-01','2020-03-01',35,104)
INSERT INTO dim_account (account_id_usage_per_day,beg_date,end_date,balance_days,plan_id) VALUES (1005,2,'2020-02-01','2020-08-01',100,105)
INSERT INTO dim_account (account_id_usage_per_day,beg_date,end_date,balance_days,plan_id) VALUES (1006,2,'2020-02-01','2020-03-01',10,101)
INSERT INTO dim_account (account_id_usage_per_day,beg_date,end_date,balance_days,plan_id) VALUES (1006,2,'2020-02-01','2020-03-01',10,101)
INSERT INTO dim_account (account_id_usage_per_day,beg_date,end_date,balance_days,plan_id) VALUES (1007,0.5,'2020-02-01','2020-03-01',1,102)
                                                                                                         "NISERT INTO dim_customer (cust_id,account_id,ph_no1,ph_no2,cust_name,city,age,gender) VALUES (2001,1001,'1234567891','2234567891','Rose','Mangalore INSERT INTO dim_customer (cust_id,account_id,ph_no1,ph_no2,cust_name,city,age,gender) VALUES (2002,1002,'1234567892','2234567892','Lily','Bangalore INSERT INTO dim_customer (cust_id,account_id,ph_no1,ph_no2,cust_name,city,age,gender) VALUES (2003,1003,'1234567893','2234567893','Jasmine','Mysore
                                                                                                                                                                                                                                                                                                                                                  IDEA-PC\SSQL (14.0 RTM) | idea-PC\user (53) | master | 00:00:00 | 0 rov
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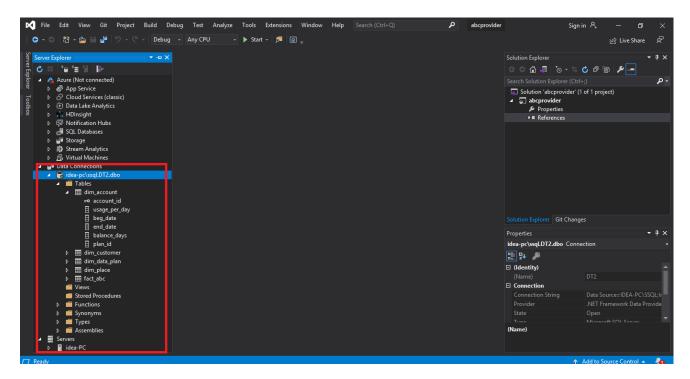
#### Creating the schema (Database diagram):



Linking Microsoft sql server and visual studio:

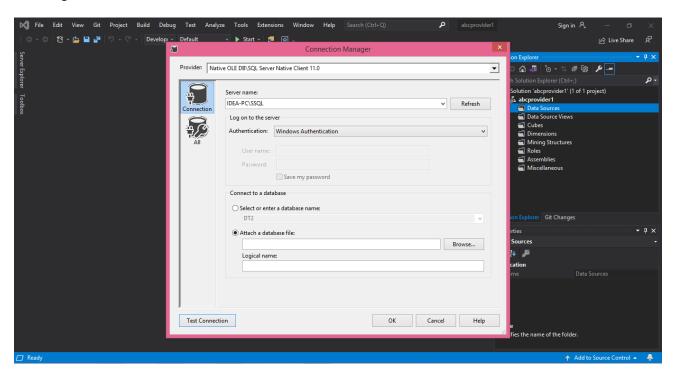


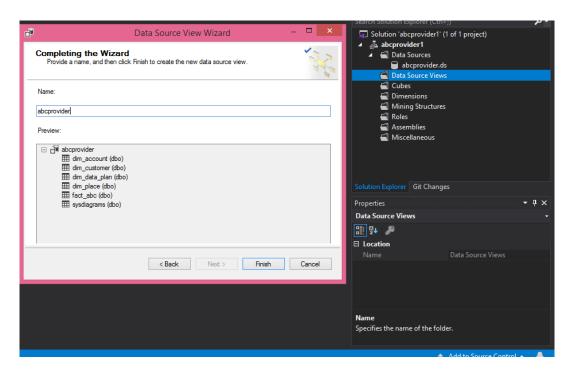
We are able to view all the tables and its attributes in visual studio:



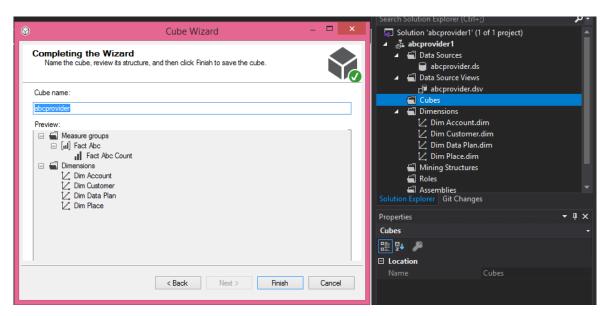
Creating the multi-dimensional model:

Selecting DT2 as data source

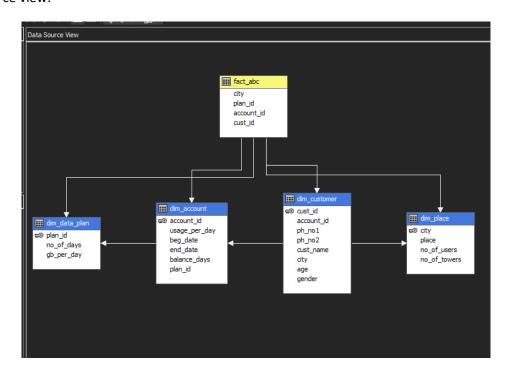




Creating the cube by specifying the dimensions:



#### Data Source view:



#### Building the solution:

#### Deploying the solution:

