Contents

[User Case 1 2](#_Toc58781337)

[Use Case 2 3](#_Toc58781338)

[Use Case 3 3](#_Toc58781339)

[Use Case 4 4](#_Toc58781340)

[Use Case 5 4](#_Toc58781341)

[SSAS- USE CASES 5](#_Toc58781342)

[Use Case 6 5](#_Toc58781343)

[Use Case 7 5](#_Toc58781344)

[Use Case 8 6](#_Toc58781345)

[Use Case 9 6](#_Toc58781346)

[User Case 10 6](#_Toc58781347)

# User Case 1

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **CREATE A SSIS PACKAGE TO IMPORT THE TWO FILES (DEPT.txt,** **EMPLOYEE.csv) INTO THE FOLLOWING TABLE STRUCTURE IN SQL SERVER**  **SQL SERVER TABLE STRUCTURE**  CREATE TABLE EMPLOYEE  (  EMPID INT,  NAME VARCHAR(100),  SAL FLOAT,  TAX FLOAT,  DEPTID INT,  DEPTNAME VARCHAR(100),  DEPTLOCATION VARCHAR(100)  )  **USING THE MERGE JOIN TO JOIN THE TWO SOURCE DATA FILES AND IMPORT IT INTO THE SQL SERVER DESTINATION**   |  |  | | --- | --- | | **SOURCE1** | **SOURCE2** | | **EMPLOYEE.csv** | **DEPT.txt** | |  |  | | **DESTINATION** |  | | **TABLE** | EMPLOYEE | |

# Use Case 2

|  |
| --- |
| **Do the above scenario using SCD (Slowly Changing Dimensions). After doing the merge join, Import merged data to the SQL SERVER TABLE USING SLOWLY CHANGING DIMENSION.**  CREATE TABLE EMPLOYEE  (  EMPID INT,  NAME VARCHAR(100),  SAL FLOAT,  TAX FLOAT,  DEPTID INT,  DEPTNAME VARCHAR(100),  DEPTLOCATION VARCHAR(100)  ) |

# Use Case 3

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Create a Package to export the SQL SERVER TABLE Created using the above scenarios to txt file and csv file.**  **The data should be exported to two different formats.**   |  |  | | --- | --- | | DESTINATION |  | | TXT FILE | CSV FILE |   **Once the package have been executed, an entry should be made in the SQL SERVER table with the details.**  CREATE TABLE PACKAGE\_EXECUTIONDETAILS  (  SNO INT IDENTITY(1,1),  PACKAGENAME NVARCHAR(500),  EXECUTEDBY NVARCHAR(500),  EXECUTEDDATETIME DATETIME  ) |

# Use Case 4

|  |
| --- |
| **WRITE A PACKAGE TO IMPORT IN TWO SOURCE (COUNTRY1.csv, COUNTRY2.csv) FILES INTO THE COUNTRY TABLE USING A SINGLE PACKAGE.**  CREATE TABLE COUNTRY  (  COUNTRYID INT,  COUNTRYNAME VARCHAR(100),  COUNTRYCAPITAL VARCHAR(100)  )  **ONCE THE FILE HAVE UPLOADED INTO SHOULD BE STORED IN A BACKUP FOLDER (D:\BACKUP) WITH THE FOLLOWING NAME.**  **FILENAME-DD-MM-YYYY-HH-MM.csv**  **(THE FOLDER NAME SHOULD BE CONFIGURABLE USING A VARIABLE)** |

# Use Case 5

|  |
| --- |
| **WRITE A PACKAGE TO IMPORT THE SOURCE (EMP\_DATA.csv) FILES INTO THE EMP\_DATA TABLE.**  CREATE TABLE EMP\_DATA  (  EMPID INT NOT NULL,  EMPNAME NVARCHAR(200) NOT NULL,  Gender NVARCHAR(200) NOT NULL,  SALARY FLOAT NOT NULL,  Tax FLOAT NOT NULL ,  DEPT VARCHAR(100) NOT NULL,  Designation VARCHAR(100) NOT NULL,  Color VARCHAR(100) NOT NULL,  DOJ DATETIME NOT NULL  )  **ONCE THE FILE HAVE BE UPLOADED IT SHOULD BE MOVED INTO THE BACKUP FOLDER (D:\BACKUP) WITH THE FOLLOWING NAME.**  **FILENAME-DD-MM-YYYY-HH-MM.csv**  **(THE FOLDER NAME SHOULD BE CONFIGURABLE USING A VARIABLE)**  **ERROR IF ANY SHOULD BE LOGGED INTO THE EMP\_DATA\_ERROR TABLE.**  CREATE TABLE EMP\_DATA\_ERROR  (  EMPID INT NOT NULL,  EMPNAME NVARCHAR(200) NOT NULL,  Gender NVARCHAR(200) NOT NULL,  SALARY FLOAT NOT NULL,  Tax FLOAT NOT NULL ,  DEPT VARCHAR(100) NOT NULL,  Designation VARCHAR(100) NOT NULL,  Color VARCHAR(100) NOT NULL,  DOJ DATETIME NOT NULL,  FILE\_NAME VARCHAR(100) NOT NULL,  ERRORDATETIME DATETIME  )  **FILE\_NAME SHOULD BE THE FILENAME STORED IN THE BACKUP FILE.** |

# SSAS- USE CASES

# Use Case 6

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Create a SSAS Tabular Model from the following file (EmploymentDataForCompany.csv).**  **Import the CSV FILE and create the Tabular model out of this.**  **Add the measures to the following attributes in tabular model.**   |  |  | | --- | --- | | **ATTRIBUTES** | **MEASURES** | | **TotalMonthlyCTC** | **SUMOFMONTHLYCTC** | | **TotalannualCTC** | **SUMOFANNUALCTC** | |

# Use Case 7

|  |
| --- |
| **Create a Perspective with the following attribute.**  **Employee Number,Employee Type,Gender Category,** **Department,Division, TotalMonthlyCTC,TotalannualCTC, SUMOFMONTHLYCTC, SUMOFANNUALCTC** |

# Use Case 8

|  |
| --- |
| **TAKE A BACKUP OF THE TABULAR MODEL AND STORE IT IN A FILE.** |

# Use Case 9

|  |
| --- |
| **WRITE A SCRIPT TO PROCESS THE TABULAR MODEL CREATED.** |

# User Case 10

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **CREATE A TABULAR MODEL BY IMPORTING THE TWO FILES (DEPT.txt,** **EMPLOYEE.csv) INTO THE TABULAR MODEL.**  ADD TWO MEASURES INTO IT.   |  |  | | --- | --- | | **ATTRIBUTE** | **MEASURES** | | **SAL** | **TOTALSAL** | | **TAX** | **TOTALTAX** | |