**CREATION OF DATABASE & CREATION OF TABLES**

1. **Creation of database :**

**CREATE DATABASE PROJ\_IMT543\_GROUP01**

1. **Creation of tables :**

**Part A - Lookup tables**

**-- Table 01**

**CREATE TABLE tblEVENT\_TYPE**

**(Event\_type\_ID INT IDENTITY(61,1) primary key,**

**Event\_type\_name varchar(30) NOT NULL,**

**Event\_type\_descr varchar(500) NULL)**

**GO**

**-- Table 02**

**CREATE TABLE tblCOUNTRY**

**(Country\_ID INT IDENTITY(201,1) primary key,**

**Country\_name varchar(30) NOT NULL)**

**GO**

**-- Table 03**

**CREATE TABLE tblGENDER**

**(Gender\_ID INT IDENTITY(1,1) primary key,**

**Gender varchar(10) NOT NULL,**

**Gender\_descr varchar(500) NULL)**

**GO**

**-- Table 04**

**CREATE TABLE tblMEDAL**

**(Medal\_ID INT IDENTITY(1,1) primary key,**

**MedalName varchar(10) NOT NULL,**

**Medal\_descr VARCHAR(100) NULL)**

**GO**

**-- Table 05**

**CREATE TABLE tblSPONSORS**

**(Sponsor\_ID INT IDENTITY(9001,1) primary key,**

**SponsorName varchar(20) NOT NULL,**

**SponsorDescr varchar(500) NULL)**

**GO**

**-- Table 06**

**CREATE TABLE tblCITY**

**(City\_ID varchar(5) primary key,**

**City\_Name varchar(30) NOT NULL)**

**GO**

**-- Table 07**

**create table tblTICKET\_TYPE**

**(Ticket\_type\_ID INT IDENTITY(1,1) primary key,**

**Ticket\_type\_name varchar(20) NOT NULL,**

**Ticket\_type\_descr varchar(500) NULL)**

**GO**

**-- Table 08**

**CREATE TABLE tblVENDOR\_TYPE**

**(Vendor\_type\_ID INT IDENTITY(1,1) primary key,**

**Vendor\_type\_name varchar(50) NOT NULL,**

**Vendor\_type\_descr varchar(500) NULL)**

**GO**

**-- Table 09**

**CREATE TABLE tblCUSTOMER**

**(Customer\_ID INT IDENTITY(50001,1) primary key,**

**CustomerFname varchar(30) NOT NULL,**

**CustomerLname varchar(30) NOT NULL)**

**---------------------------------------------------------------------------------------------------------------------**

**Part B - Transactional tables**

**-- Table 10**

**CREATE TABLE tblFACILITY**

**(Facility\_ID INT IDENTITY(7001,1) primary key,**

**City\_ID varchar(5) FOREIGN KEY REFERENCES tblCITY(City\_ID),**

**Facility\_Name varchar(50) NOT NULL)**

**GO**

**-- Table 11**

**CREATE TABLE tblEVENT**

**(Event\_ID INT IDENTITY(1,1) primary key,**

**Event\_Name varchar(30) NOT NULL,**

**Event\_type\_ID INT FOREIGN KEY REFERENCES tblEVENT\_TYPE(Event\_type\_ID) NOT NULL)**

**GO**

**-- Table 12**

**CREATE TABLE tblVENDOR**

**(Vendor\_ID INT IDENTITY(40001,1) primary key,**

**Vendor\_name varchar(50) NOT NULL,**

**Vendor\_type\_ID INT FOREIGN KEY REFERENCES tblVENDOR\_TYPE(Vendor\_type\_id) NOT NULL)**

**GO**

**-- Table 13**

**CREATE TABLE tblOLYMPIAD**

**(Olympics\_ID INT IDENTITY(3001,1) primary key,**

**Country\_ID INT FOREIGN KEY REFERENCES tblCOUNTRY(Country\_ID) NOT NULL,**

**[YEAR] INT NOT NULL,**

**Oly\_Start\_date Date NOT NULL,**

**Oly\_endDate Date NOT NULL)**

**GO**

**-- Table 14**

**CREATE TABLE tblOLYMPIC\_EVENT**

**(OE\_ID INT IDENTITY(5001,1) primary key,**

**EVENT\_ID INT FOREIGN KEY REFERENCES tblEVENT(Event\_ID) NOT NULL,**

**Olympics\_ID INT FOREIGN KEY REFERENCES tblOLYMPIAD(Olympics\_ID) NOT NULL,**

**Facility\_ID INT FOREIGN KEY REFERENCES tblFACILITY(Facility\_ID) NOT NULL,**

**DateKey Date)**

**GO**

**-- Table 15**

**CREATE TABLE tblTICKET**

**(Ticket\_ID INT IDENTITY(1,1) primary key,**

**OE\_ID INT FOREIGN KEY REFERENCES tblOLYMPIC\_EVENT(OE\_ID) NOT NULL,**

**Vendor\_ID INT FOREIGN KEY REFERENCES tblVENDOR(Vendor\_ID) NOT NULL,**

**Customer\_ID INT FOREIGN KEY REFERENCES tblCUSTOMER(Customer\_ID) NOT NULL,**

**Ticket\_type\_ID INT FOREIGN KEY REFERENCES tblTICKET\_TYPE(Ticket\_type\_ID) NOT NULL,**

**Purchase\_count INT NOT NULL,**

**Purchase\_date Date NOT NULL)**

**-- Table 16**

**CREATE TABLE tblATHLETE**

**(Athlete\_ID INT IDENTITY(10001,1) primary key,**

**Country\_ID INT FOREIGN KEY REFERENCES tblCOUNTRY(Country\_ID) NOT NULL,**

**AthleteFname varchar(50) NOT NULL,**

**AthleteLname varchar(50) NOT NULL,**

**DateOfBirth Date NOT NULL,**

**Gender\_ID INT FOREIGN KEY REFERENCES tblGENDER(Gender\_ID) NOT NULL)**

**GO**

**-- Table 17**

**CREATE TABLE tblPARTICIPANT**

**(Participant\_ID INT IDENTITY(200001,1) primary key,**

**OE\_ID INT FOREIGN KEY REFERENCES tblOLYMPIC\_EVENT(OE\_ID) NOT NULL,**

**Athlete\_ID INT FOREIGN KEY REFERENCES tblATHLETE(Athlete\_ID) NOT NULL,**

**Medal\_ID INT FOREIGN KEY REFERENCES tblMEDAL(Medal\_ID) NOT NULL)**

**GO**

**-- Table 18**

**CREATE TABLE tblSPONSOR\_OLY\_EVENT**

**(spsr\_OE\_ID INTEGER IDENTITY(1,1) PRIMARY KEY,**

**Sponsor\_ID INT FOREIGN KEY REFERENCES tblSPONSORS(Sponsor\_ID) NOT NULL,**

**OE\_ID INT FOREIGN KEY REFERENCES tblOLYMPIC\_EVENT(OE\_ID) NOT NULL,**

**Sponsor\_amount\_$ INT NOT NULL)**