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/* ER/Studio Data Architect SQL Code Generation
 * Project : Logical_model_final.DM1
 *
 * Date Created : Monday, October 23, 2023 00:33:32
 * Target DBMS : Microsoft Azure SQL DB
 */

/*
 * TABLE: DIM_BUSINESS
 */

CREATE TABLE DIM_BUSINESS(
    Business_ID_SK numeric(4, 4) IDENTITY(1,1),
    DI_WorkflowFileName varchar(255) NOT NULL,
    DI_Workflow_ProcessID varchar(255) NOT NULL,
    DI_CreatedDate datetime NOT NULL,
    BusinessId varchar(255) NOT NULL,
    Name varchar(255) NOT NULL,
    PhoneNumber varchar(255) NULL,
    CONSTRAINT PK2 PRIMARY KEY NONCLUSTERED (Business_ID_SK)
)

go

IF OBJECT_ID('DIM_BUSINESS') IS NOT NULL
    PRINT '<<< CREATED TABLE DIM_BUSINESS >>>'
ELSE
    PRINT '<<< FAILED CREATING TABLE DIM_BUSINESS >>>'
go

/*
 * TABLE: DIM_DATE
 */

CREATE TABLE DIM_DATE(
    DI_WorkflowFileName varchar(255) NOT NULL,
    Date date NULL,
    Date_SK numeric(18, 0) IDENTITY(1,1),
    DI_Workflow_ProcessID varchar(255) NOT NULL,
    DI_CreatedDate datetime NOT NULL,
    Year numeric(4, 4) NULL,
    Day_Of_Week varchar(18) NULL,
    Day numeric(4, 4) NULL,
    Month numeric(2, 2) NULL,
    CONSTRAINT PK3 PRIMARY KEY NONCLUSTERED (Date_SK)
)

go

IF OBJECT_ID('DIM_DATE') IS NOT NULL
    PRINT '<<< CREATED TABLE DIM_DATE >>>'
ELSE
    PRINT '<<< FAILED CREATING TABLE DIM_DATE >>>'
go

/*
 * TABLE: DIM_INSPECTION_TYPE
 */

CREATE TABLE DIM_INSPECTION_TYPE(
    InspectionType_ID numeric NOT NULL,
    DI_WorkflowFileName varchar(255) NOT NULL,
    DI_Workflow_ProcessID varchar(255) NOT NULL,
    DI_CreatedDate datetime NOT NULL,
    InspectionType varchar(10) NULL,
    CONSTRAINT PK5 PRIMARY KEY NONCLUSTERED (InspectionType_ID)
)

go

IF OBJECT_ID('DIM_INSPECTION_TYPE') IS NOT NULL
    PRINT '<<< CREATED TABLE DIM_INSPECTION_TYPE >>>'
ELSE
    PRINT '<<< FAILED CREATING TABLE DIM_INSPECTION_TYPE >>>'
go

/*
 * TABLE: DIM_LOCATION

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/
CREATE TABLE DIM_LOCATION(
    Location_SK                numeric(4, 4)      IDENTITY(1,1),
    DI_WorkflowFileName        varchar(255)        NOT NULL,
    DI_Workflow_ProcessID      varchar(255)        NOT NULL,
    DI_CreatedDate             datetime            NOT NULL,
    Longitude                  decimal(20, 0)       NULL,
    Latitude                   decimal(20, 0)       NULL,
    Address                    varchar(255)        NOT NULL,
    ZipCode                    varchar(10)          NOT NULL,
    State                      varchar(10)          NOT NULL,
    City                       varchar(255)        NULL,
    Location                   varchar(1000)        NULL,
    CONSTRAINT PK4 PRIMARY KEY NONCLUSTERED (Location_SK)
)
go

IF OBJECT_ID('DIM_LOCATION') IS NOT NULL
    PRINT '<<< CREATED TABLE DIM_LOCATION >>>'
ELSE
    PRINT '<<< FAILED CREATING TABLE DIM_LOCATION >>>'
go

/*
* TABLE: DIM_VIOLATION
*/

CREATE TABLE DIM_VIOLATION(
    Violation_ID              numeric(4, 4)      IDENTITY(1,1),
    score                     numeric(4, 4)      NOT NULL,
    Violation_Desc            varchar(255)        NULL,
    Violation_Category        varchar(10)         NOT NULL,
    DI_WorkflowFileName        varchar(255)        NOT NULL,
    DI_Workflow_ProcessID      varchar(255)        NOT NULL,
    DI_CreatedDate            datetime            NOT NULL,
    Violation_Code            varchar(10)          NOT NULL,
    CONSTRAINT PK7 PRIMARY KEY NONCLUSTERED (Violation_ID)
)
go

IF OBJECT_ID('DIM_VIOLATION') IS NOT NULL
    PRINT '<<< CREATED TABLE DIM_VIOLATION >>>'
ELSE
    PRINT '<<< FAILED CREATING TABLE DIM_VIOLATION >>>'
go

/*
* TABLE: FACT_INSPECTION
*/

CREATE TABLE FACT_INSPECTION(
    Inspection_SK             numeric(5, 5)      IDENTITY(1,1),
    Inspection_Result          varchar(4)         NOT NULL,
    Violation_Score            numeric(4, 4)      NOT NULL,
    DI_WorkflowFileName        varchar(255)        NOT NULL,
    DI_Workflow_ProcessID      varchar(255)        NOT NULL,
    DI_CreatedDate            datetime            NOT NULL,
    InspectionType_ID          numeric             NOT NULL,
    Location_SK                numeric(4, 4)      NOT NULL,
    Business_ID_SK             numeric(4, 4)      NOT NULL,
    InspectionId               varchar(255)        NOT NULL,
    Date_SK                    numeric(18, 0)     NOT NULL,
    CONSTRAINT PK1 PRIMARY KEY NONCLUSTERED (Inspection_SK)
)
go

IF OBJECT_ID('FACT_INSPECTION') IS NOT NULL
    PRINT '<<< CREATED TABLE FACT_INSPECTION >>>'
ELSE
    PRINT '<<< FAILED CREATING TABLE FACT_INSPECTION >>>'
go

/*
* TABLE: FACT_VIOLATION
*/

```

```

CREATE TABLE FACT_VIOLATION (
    Violation_ID          numeric(4, 4)      NOT NULL,
    Inspection_SK          numeric(5, 5)      NOT NULL,
    DI_WorkflowFileName    varchar(255)       NOT NULL,
    DI_Workflow_ProcessID  varchar(255)       NOT NULL,
    DI_CreatedDate         datetime           NOT NULL,
    CONSTRAINT PK6 PRIMARY KEY NONCLUSTERED (Violation_ID, Inspection_SK)
)

```

go

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IF OBJECT_ID('FACT_VIOLATION') IS NOT NULL
    PRINT '<<< CREATED TABLE FACT_VIOLATION >>>'
ELSE
    PRINT '<<< FAILED CREATING TABLE FACT_VIOLATION >>>'

```

go

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/*
 * TABLE: FACT_INSPECTION
 */

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ALTER TABLE FACT_INSPECTION ADD CONSTRAINT RefDIM_INSPECTION_TYPE2
    FOREIGN KEY (InspectionType_ID)
    REFERENCES DIM_INSPECTION_TYPE(InspectionType_ID)

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go

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ALTER TABLE FACT_INSPECTION ADD CONSTRAINT RefDIM_BUSINESS3
    FOREIGN KEY (Business_ID_SK)
    REFERENCES DIM_BUSINESS(Business_ID_SK)

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go

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ALTER TABLE FACT_INSPECTION ADD CONSTRAINT RefDIM_LOCATION5
    FOREIGN KEY (Location_SK)
    REFERENCES DIM_LOCATION(Location_SK)

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go

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ALTER TABLE FACT_INSPECTION ADD CONSTRAINT RefDIM_DATE11
    FOREIGN KEY (Date_SK)
    REFERENCES DIM_DATE(Date_SK)

```

go

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/*
 * TABLE: FACT_VIOLATION
 */

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```

ALTER TABLE FACT_VIOLATION ADD CONSTRAINT RefDIM_VIOLATION6
    FOREIGN KEY (Violation_ID)
    REFERENCES DIM_VIOLATION(Violation_ID)

```

go

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ALTER TABLE FACT_VIOLATION ADD CONSTRAINT RefFACT_INSPECTION10
    FOREIGN KEY (Inspection_SK)
    REFERENCES FACT_INSPECTION(Inspection_SK)

```

go