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/* ER/Studio Data Architect SQL Code Generation
 * Project : Logical_model.DM1
 *
 * Date Created : Saturday, October 21, 2023 17:31:58
 * 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)
)

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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)

```

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