```sql
CREATE TABLE PRODUCTDIM
(
PRODUCT_ID INT IDENTITY NOT NULL,
PROD_SKU NVARCHAR(15) NOT NULL,
PROD_DESCRIPTION VARCHAR(40),
PROD_TYPE VARCHAR(40),
BRAND_ID INT,
BRAND_NAME VARCHAR(40),
BRAND_TYPE VARCHAR(40)
)

CREATE TABLE TIMEDIM
(
TIME_ID INT IDENTITY NOT NULL,
INV_DATE DATETIME NOT NULL,
INV_YEAR INT,
INV_MONTH INT,
INV_QUARTER INT
)


CREATE TABLE CUSTOMERDIM
(
CUSTOMER_ID INT IDENTITY NOT NULL,
CUST_CODE INT NOT NULL,
CUST_FNAME VARCHAR(25),
CUST_LNAME VARCHAR(25),
CUST_CITY VARCHAR(40),
CUST_STATE VARCHAR(25),
CUST_ZIP INT NOT NULL,

)

CREATE TABLE EMPLOYEEDIM
(
EMPLOYEE_ID INT IDENTITY NOT NULL,
EMP_NUM INT NOT NULL,
EMP_FNAME VARCHAR(25),
EMP_LNAME VARCHAR(25),
EMP_TITLE VARCHAR(40),
DEPT_NUM INT,
DEPT_NAME VARCHAR(40)
)


CREATE TABLE FACT
(
PRODUCT_ID INT NOT NULL,
TIME_ID INT NOT NULL,
CUSTOMER_ID INT NOT NULL,
EMPLOYEE_ID INT NOT NULL,
LINE_QTY INT,
LINE_PRICE DECIMAL(8,2)
)
```

```sql
---------------------------------------------

ALTER TABLE PRODUCTDIM
ADD CONSTRAINT PK_PRODUCTDIM PRIMARY KEY(PRODUCT_ID)

ALTER TABLE TIMEDIM
ADD CONSTRAINT PK_TIMEID PRIMARY KEY(TIME_ID)

ALTER TABLE CUSTOMERDIM
ADD CONSTRAINT PK_CUSTOMERID PRIMARY KEY(CUSTOMER_ID)

ALTER TABLE EMPLOYEEDIM
ADD CONSTRAINT PK_EMPLOYEEID PRIMARY KEY(EMPLOYEE_ID)

ALTER TABLE FACT
ADD
        CONSTRAINT PK_FACT PRIMARY KEY(PRODUCT_ID, TIME_ID, CUSTOMER_ID, EMPLOYEE_ID),

ALTER TABLE FACT
ADD
        CONSTRAINT FK_FACT_1 FOREIGN KEY(PRODUCT_ID)REFERENCES PRODUCTDIM,
        CONSTRAINT FK_FACT_2 FOREIGN KEY(TIME_ID)REFERENCES TIMEDIM,
        CONSTRAINT FK_FACT_3 FOREIGN KEY(CUSTOMER_ID)REFERENCES CUSTOMERDIM,
        CONSTRAINT FK_FACT_4 FOREIGN KEY(EMPLOYEE_ID)REFERENCES EMPLOYEEDIM


--------------------------------------------------------------------------------
```