```
Drop Table if Exists HSN_Code;
Drop Table if Exists Products_Category;
Drop Table if Exists Products;
Drop Table if Exists Products_Stock;
Drop Table if Exists Vendor;
Drop Table if Exists Purchase_Order;
Drop Table if Exists Purchase_Order_Products;
Drop Table if Exists Indents;
Drop Table if Exists Indents_Products;
Drop Table if Exists GRN;
Drop Table if Exists  GRN_Products;
Drop Table if Exists Purchase_Return;
Drop Table if Exists Purchase_Return_Items;
Drop Table if Exists CustomSet_Products;
Drop Table if Exists Users;
Drop Table if Exists EUsers;
Drop Table if Exists Eorder;
Drop Table if Exists Eorder_products;
Drop Table if Exists EIndents;
Drop Table if Exists EIndents_Products;
Drop Table if Exists StoreIssues;
Drop Table if Exists StoreIssues_Products;
Drop Table if Exists Ecommerce_Stock;




--Creating Tables

--1.—----------------------------------HSN—-------------------------------------------------


CREATE Table HSN_Code(

        HSN_CODE INT PRIMARY KEY,
        GST int,
        Last_Updated_User varchar(20),
        Last_Updated_Date date

);

--2.—----------------------------------Products_Category —-------------------------------------------------
```

```
CREATE Table Products_Category  (

        Product_Category_ID INT PRIMARY KEY,
        Product_Category_Name Varchar (50),
        Last_Updated_User varchar(20),
        Last_Updated_Date date

);

--3.—----------------------------------Products —-------------------------------------------------

CREATE Table Products(
        Product_ID serial PRIMARY KEY,
        Product_Name Varchar(30),
        Product_Image Varchar,
        Product_Description Varchar(200),
        Product_Category_ID INT,
        Product_HSN_Code int,
        Product_Type varchar(50),
        Product_Reorder_Level int,
        Ecommerce_Reorder_Level int,
        Product_Status varchar(20),
        Last_Updated_User varchar(20),
        Last_Updated_Date date,

                CONSTRAINT FK_ProdCtg
                FOREIGN KEY (Product_Category_ID)
                REFERENCES Products_Category(Product_Category_ID),

                CONSTRAINT FK_HS
                FOREIGN KEY (Product_HSN_Code)
                REFERENCES HSN_Code(HSN_CODE)

);




--4.—----------------------------------Products_Stock —-------------------------------------------------

CREATE Table Products_Stock(

        Products_ID int,
        Batch_NO Int,
```

```
        Product_Stock int,
        Product_MRP numeric,
        Product_Cost numeric,
        Product_Sale_Price numeric,
        Last_Updated_User varchar(20),
        Last_Updated_Date date,

        CONSTRAINT FK_PID
                FOREIGN KEY (Products_ID)
                REFERENCES Products(Product_ID),
        Primary key(Products_ID,Batch_NO)


        );

--5.—----------------------------------Vendor —-------------------------------------------------

CREATE Table Vendor (

        Vendor_ID serial PRIMARY KEY,
        Vendor_Name VARCHAR (50),
        Vendor_Address Varchar(100),
        Vendor_PhoneNumber bigint,
        Status varchar (20),
        User_ID INT,
        Last_Updated_User varchar(20),
        Last_Updated_Date date

);

--6.—----------------------------------Purchase_Order —-------------------------------------------------

CREATE Table Purchase_Order (

        Purchase_Order_ID serial PRIMARY KEY,
        Purchase_Order_Date date,
        Purchase_Order_Amount numeric,
        Vendor_ID int,
        Purchase_Order_Expected_Date date,
        Purchase_Order_Status Varchar(15),
        USER_ID INT,
        Last_Updated_User varchar(20),
        Last_Updated_Date date,
```

```
    CONSTRAINT FK_V_ID
                FOREIGN KEY (Vendor_ID)
                REFERENCES Vendor(Vendor_ID)
);

--7.—---------------------------------Purchase_Order_Products ----------------------------------

CREATE Table Purchase_Order_Products(
        Purchase_Order_ID int,
        Product_ID INT,
        Purchase_Order_Quantity  Int,
        Negotiation_Price numeric,
        Qunatity_Received  Int,
        PRIMARY KEY (Purchase_Order_ID, Product_ID),


        CONSTRAINT FK_PO_ID
                FOREIGN KEY (Purchase_Order_ID)
                REFERENCES Purchase_Order(Purchase_Order_ID),
        CONSTRAINT FK_P_ID
                FOREIGN KEY (Product_ID)
                REFERENCES Products(Product_ID)
        );

--8.—---------------------------------Indents ---------------------------------------

CREATE Table Indents (

        Indents_ID serial PRIMARY KEY,
        Indents_Date date,
        Indents_Status VArChar(20),
        User_ID Int,
        Last_Updated_User varchar(20),
        Last_Updated_Date date
);

--9.—-----------------------------------Indents_Products---------------------------------------

CREATE Table Indents_Products (

        Indents_ID INT,
        Indents_Products_ID int,
        Indents_Products_Quantity Int,
        PRIMARY KEY (Indents_ID, Indents_Products_ID),
```

```
        CONSTRAINT FK_I_ID
                FOREIGN KEY (Indents_ID)
                REFERENCES Indents(Indents_ID),
        CONSTRAINT FK_P_ID
                FOREIGN KEY (Indents_Products_ID)
                REFERENCES Products(Product_ID)
);


--10.—-------------------------------------GRN ---------------------------------------

CREATE Table GRN (
        GRN_ID serial Primary Key,
        GRN_Date date,
        Purchase_Order_ID Int,
        GRN_Amount numeric,
        GRN_Status  varchar(20),
        Last_Updated_User varchar(20),
        Last_Updated_Date date,

        CONSTRAINT FK_PO_ID
                FOREIGN KEY (Purchase_Order_ID)
                REFERENCES Purchase_Order(Purchase_Order_ID)
        );


--11.—-------------------------------------GRN_Products ---------------------------------------


CREATE Table GRN_Products (
        GRN_ID int,
        Product_ID Int,
        Batch_NO int,
        Quantity Int,
        Price numeric,
        Gst Int,
        Bonus Int,
        Last_Updated_User varchar(20),
        Last_Updated_Date date,

        CONSTRAINT FK_GN_ID
                FOREIGN KEY (GRN_ID)
```

```
            REFERENCES GRN(GRN_ID),
        CONSTRAINT FK_PO_ID
            FOREIGN KEY (Product_ID)
            REFERENCES Products(Product_ID)
        );

--12.—----------------------------------Purchase_Return  ----------------------------------
 create table Purchase_Return(
        Purchase_return_id serial primary key,
        Purchase_return_date  TIMESTAMP ,
        GRN_NO int,
        Grn_cost numeric,
        Vendor_ID int ,
        Purchase_status varchar(10),
        Purchase_Return_Description varchar(100),
        Last_Updated_User varchar(20),
        Last_Updated_Date date,

        CONSTRAINT FK_GN_NO
            FOREIGN KEY (GRN_NO)
            REFERENCES GRN(GRN_ID),

         CONSTRAINT FK_V_ID
            FOREIGN KEY (Vendor_ID)
            REFERENCES Vendor(Vendor_ID)
) ;

--13.—---------------------------------Purchase_Return_Products-------------------------------------

 create table Purchase_Return_Products(
        Purchase_return_id int,
        Product_id int,
        Quantity int,
        PRIMARY KEY (Purchase_return_id, Product_id),
        Last_Updated_User varchar(20),
        Last_Updated_Date date,
        CONSTRAINT FK_PurchaseReturn
            FOREIGN KEY (Purchase_return_id)
            REFERENCES Purchase_Return(Purchase_return_id)
            on DELETE cascade,
        CONSTRAINT FK_P_ID
            FOREIGN KEY (Product_ID)
            REFERENCES Products(Product_ID)
```

```
);

--14.—---------------------------------CustomSet_Products-------------------------------------

CREATE table CustomSet_Products(
        Custom_Product_ID  Int,
        Sub_Product_ID Int,
        quantity int,
        Last_Updated_User varchar(20),
        Last_Updated_Date date,

        PRIMARY KEY (Custom_Product_ID, Sub_Product_ID),
        CONSTRAINT FK_P_ID
                FOREIGN KEY (Custom_Product_ID)
                REFERENCES Products(Product_ID) ,
        CONSTRAINT FK_S_P_ID
                FOREIGN KEY (Sub_Product_ID)
                REFERENCES Products(Product_ID)

);



--15.—---------------------------------Users ---------------------------------------

CREATE Table Users (
        User_ID int Primary Key NOT NULL,
        User_Name  varchar(50)  NOT NULL,
        User_Password  varchar(10) NOT NULL,
        Status varchar(20)

        );



--16.—---------------------------------Eusers ---------------------------------------

create table Eusers(
   user_id serial primary key,
   username varchar(30) unique not null,
   mobile varchar(10),
   email varchar(30),
   password varchar(20) not null,
    CONSTRAINT mobile_email_notnull CHECK (
```

```
  NOT (
    ( mobile IS NULL  OR  mobile = '' )
    AND
    ( email IS NULL  OR  email = '' )
  )
 ))



--17.—---------------------------------Eorders ---------------------------------------

CREATE TABLE Eorders(
   order_id serial primary key,
   user_id int not null,
   created_on TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
   Amount numeric,
   status varchar(20) DEFAULT 'processing',
   CONSTRAINT FK_U_ID
                FOREIGN KEY (user_id)
                REFERENCES Eusers(user_id)
)


--18.—---------------------------------Eorder_products ---------------------------------------

create table Eorder_products(
   order_id int,
   product_id int,
   count int not null,
   PRIMARY KEY (order_id, product_id)
   CONSTRAINT FK_O_ID
                FOREIGN KEY (order_id)
                REFERENCES Eorders(order_id) ,
   CONSTRAINT FK_P_ID
                FOREIGN KEY (product_id)
                REFERENCES Products(Product_ID)
)


--19.—---------------------------------EIndents ---------------------------------------

CREATE Table EIndents (

        Indents_ID serial PRIMARY KEY,
```

```
        Indents_Date date,
        Indents_Status VArChar(20),
        User_ID Int,
        Last_Updated_User varchar(20),
        Last_Updated_Date date
);


--20.—-----------------------------------EIndents_Products-----------------------------------

CREATE Table EIndents_Products (

        Indents_ID INT,
        Indents_Products_ID int,
        Indents_Products_Quantity Int,
        PRIMARY KEY (Indents_ID, Indents_Products_ID),


        CONSTRAINT FK_I_ID
                FOREIGN KEY (Indents_ID)
                REFERENCES EIndents(Indents_ID),
        CONSTRAINT FK_P_ID
                FOREIGN KEY (Indents_Products_ID)
                REFERENCES Products(Product_ID)


--21.—-----------------------------------StoreIssues ----------------------------------

CREATE Table StoreIssues (
        StoreIssue_ID serial PRIMARY KEY,
        Indent_ID int,
        StoreIssue_Date TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
        Amount numeric,
        StoreIssue_Status varchar(20),
        Last_updated_user varchar(20),
        Last_updated_date date,
        CONSTRAINT FK_I_ID
                FOREIGN KEY (Indent_ID)
                REFERENCES EIndents(Indents_ID),
);


--22.—-----------------------------------StoreIssues_Products ----------------------------------
```

```
CREATE Table StoreIssues_Products (
        StoreIssue_ID INT,
        Product_ID int,
        Quantity Int,
        PRIMARY KEY (StoreIssue_ID, Products_ID)
        CONSTRAINT FK_SI_ID
                FOREIGN KEY (StoreIssue_ID)
                REFERENCES StoreIssues(StoreIssue_ID) ,
        CONSTRAINT FK_P_ID
                FOREIGN KEY (Product_ID)
                REFERENCES Products(Product_ID)
);


--23.—---------------------------------Ecommerce_Stock ---------------------------------------

CREATE Table Ecommerce_Stock(

        Products_ID int,
        Batch_NO Int,
        Product_Stock int,
        Product_MRP numeric,
        Product_Cost numeric,
        Product_Sale_Price numeric,
        Last_Updated_User varchar(20),
        Last_Updated_Date date,

        CONSTRAINT FK_PID
                FOREIGN KEY (Products_ID)
                REFERENCES Products(Product_ID),
        Primary key(Products_ID,Batch_NO)
        );
```