- Database: Supermarket

-- DROP DATABASE Supermarket;

CREATE DATABASE Supermarket  
WITH   
OWNER = postgres  
ENCODING = 'UTF8'  
LC\_COLLATE = 'English\_United States.1252'  
LC\_CTYPE = 'English\_United States.1252'  
TABLESPACE = pg\_default  
CONNECTION LIMIT = -1;  
  
  
-- creating Employees

create Employees

(  
employee\_id serial primary key,  
first\_name varchar(30) not null,  
last\_name varchar(30),

phone\_number varchar(10) not null,  
Job varchar(25)  
);

-- displaying Employees

select \* from staffs;

--inserting values into staff table

insert into staffs (first\_name, last\_name, phone\_number, duty)  
values ('Ankit', 'sharma', ‘8877964343’, 'Manager'),  
('Nishant', 'awasthi', ‘9988964343’,'cashier'),  
('manoj','duggal', ‘7988964343’,'warehouse keeper'),  
('Amrita','negi', ‘9675889749’,'customer assistance);

-- creating products table

create table products(  
product\_id serial primary key,  
product\_name varchar(30) not null,  
manufacturer varchar(30),  
cost\_price int not null,

supplier\_id int,

quantity int  
selling\_price int not null  
);

-- displaying products table

select \* from products;

-- inserting values into products table

insert into products (product\_name, manufacturer, cost\_price, quantity, selling\_price)  
values ('dairy milk', 'cadbury', 10, 15 , 20),

('Cornitos', 'doritos', 30, 10, 35),

('Frooti', 'Parle Agro', 38, 17, 40),

('paracetamol', 'cipla', 10, 15, 12);

-- (done after creating category table) adding foreign key "category\_id" to the product table

alter table products  
add column category\_id int references category (category\_id);

-- updating category\_id column

**--creating categories table**

Create table category (  
category\_id serial primary key,

category\_code char(20) not null,  
category\_name varchar(15) not null,);

**-- displaying categories table**

Select \* from categories;

**-- inserting values into categories table**

insert into categories (category\_name, category\_code)  
values (Milk Products ' dairy),  
(' beverages', 'bev '),  
(' pharmaceutical', ' pharma’),  
(‘snacks', ‘snk'),

**-- creating inventory table**

Create table Inventory (  
inventory\_id serial primary key,  
product\_id int references Products (product\_id),  
category\_id int references category (category\_id)  
);

**-- displaying Inventory table**

select \* from Inventory;

**-- altering inventory table to add quantity column**

alter table Inventory  
add column quantity int not null;

**-- adding unique constraint to product\_id**

alter table Inventory  
add constraint product\_id unique\_constraint unique (product\_id);

**-- inserting values into Inventory table**

insert into inventory (product\_id, category\_id ,quantity)  
values (1,1,36),  
(2,4,56),  
(3,2,18),  
(4,3,70),

**-- removing inventory\_id column from Inventory table**

Alter table Inventory  
drop column inventory\_id;

**-- adding primary key constraint to the product\_id**

Alter table Inventory  
add constraint product\_id primary\_constraint primary key (product\_id);

**-- creating supplier table**

create table supplier(  
supplier\_id serial primary key,  
supplier\_name varchar(30) not null,  
phone char(10) not null,  
email varchar(40) not null,  
city varchar(20) ,  
porder\_date date not null  
);

**-- displaying supplier table**

Select \* from supplier;

**-- inserting values into supplier table**

insert into supplier (supplier\_name ,phone, email, city, porder\_date)  
values (‘ganesh factory supplier’ , ' 9823217232 ', ‘abc@gmail.com’ , ‘gurgaon’, ‘2021-04-29’),

(‘Vitran Distributor’, ‘7823217276’, ‘xyz@yahoo.com’ ,‘noida’ , ‘2021-04-24’),

(‘OM supplier’, ‘8823217236’ ,’ [OM@gmail.com](mailto:OM@gmail.com)’ , ‘Dwarka’ , ‘2021-05-06’),

(‘Rathore distributor’ , ‘7723217238’, ‘Rathore@hotmail.com’ ,’ Ghaziabad’ , ‘2021-05-15’),

(‘Bala Ji supplier’ ,’ 9623217299’ ,‘ [BALA@gmail.com](mailto:BALA@gmail.com)’ , ‘gurgaon’, ‘2021-04-19’ );

**Queries**