A picture containing text, ceramic ware, blue, porcelain

Description automatically generated

**Srm Institute of science and technology**

**KattanKulathur, Chennai**  
 4th Sem



**Online Gas Booking System  
 (DBMS MINI PROJECT)**

**Team Members**

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**AIM:-** To implement different SQL queries to create a database for an online gas booking system

**Description**

List of Entities and its attributes

1.Customer :- This entity includes attributes like name, customer\_id , address and mobile no. Here the primary key will is customer\_id. This entity is to show who will be receiving the gas or book the gas.

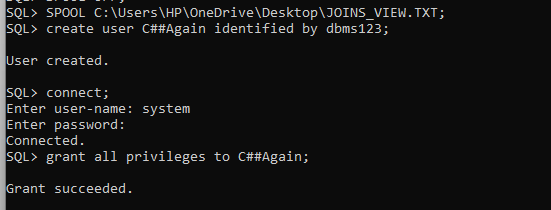
2.Agency :- This entity includes attributes like name, Agency\_id. Its is the entity that receives the order and here the primary key is Agency\_id.

3.Stock :- This entity includes attributes quantity, type, batch\_no. and primary key here is batch\_no.

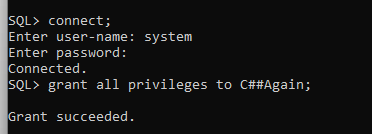
4.LPG :- This entity includes attributes gid, weight, type and primary key is gid.

5.Bill :- This entity includes attributes Bill\_id , Amount and customer\_id where primary key is Bill\_id and the foreign key is Customer\_id

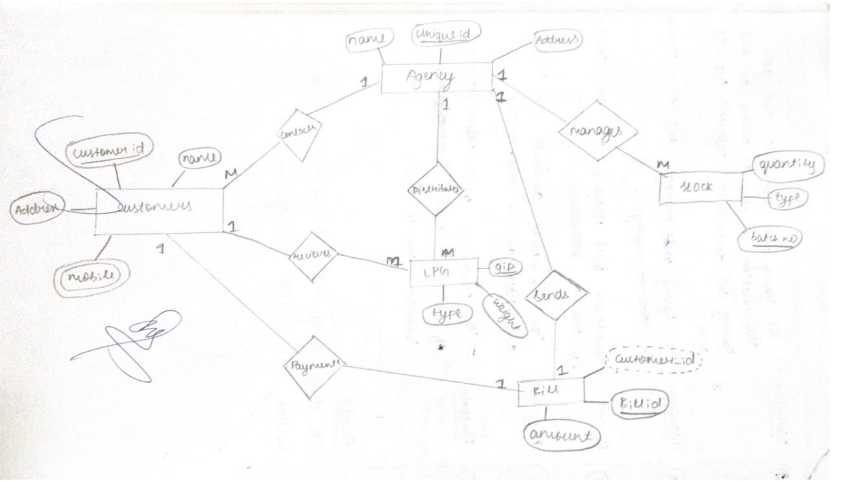
**CREATION OF A NEW USER**



**CONNECTING TO NEW USER AND GIVING PRIVILEGES**

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**ENTITY RELATION DIAGRAM FOR ONLINE GAS BOOKING SYSTEM:**

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**CREATING NECESARRY TABLES:**

CUSTOMERS

create table customers(

Customer\_id int NOT NULL,

Name varchar(200),

Address varchar(200),

Mobile int NOT NULL,

PRIMARY KEY(Customer\_id));

AGENCY

create table agency(

Agency\_id int NOT NULL,

Name varchar(200),

PRIMARY KEY(Agency\_id));

STOCK

create table stock(

Batch\_no int,

type varchar(10),

quantity int,

PRIMARY KEY(Batch\_no));

BILL

create table Bill(

Bill\_id int,

Amount int,

Customer\_id int,

PRIMARY KEY(Bill\_id),

FOREIGN KEY(Customer\_id) REFERENCES customers(Customer\_id));

LPG

create table LPG(

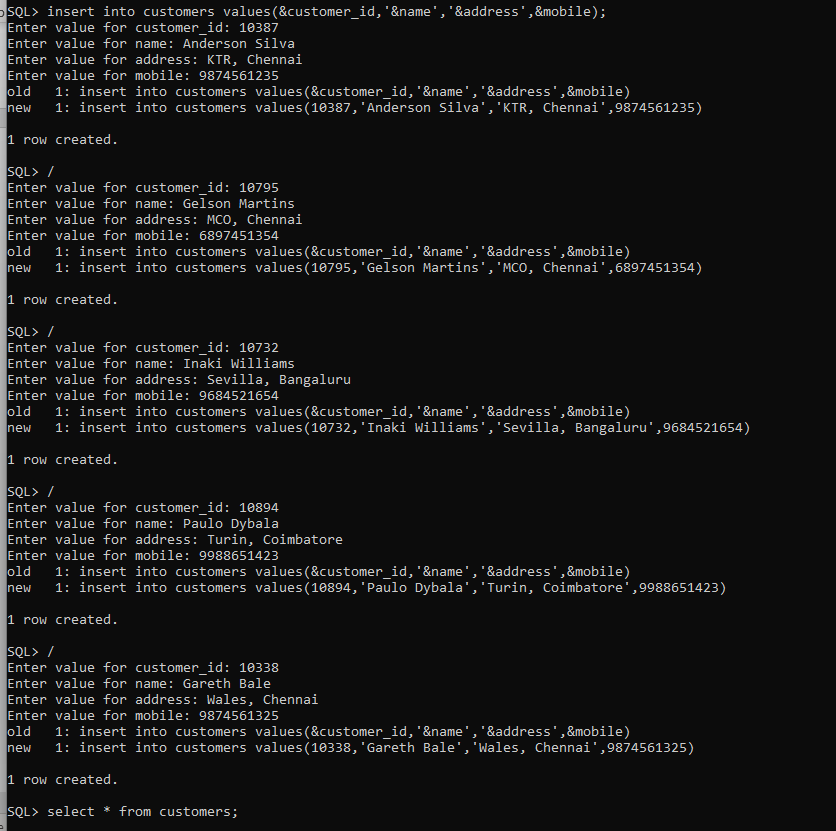
Gid int,

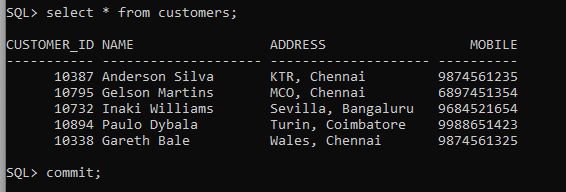
weight varchar(5),

type varchar(5));

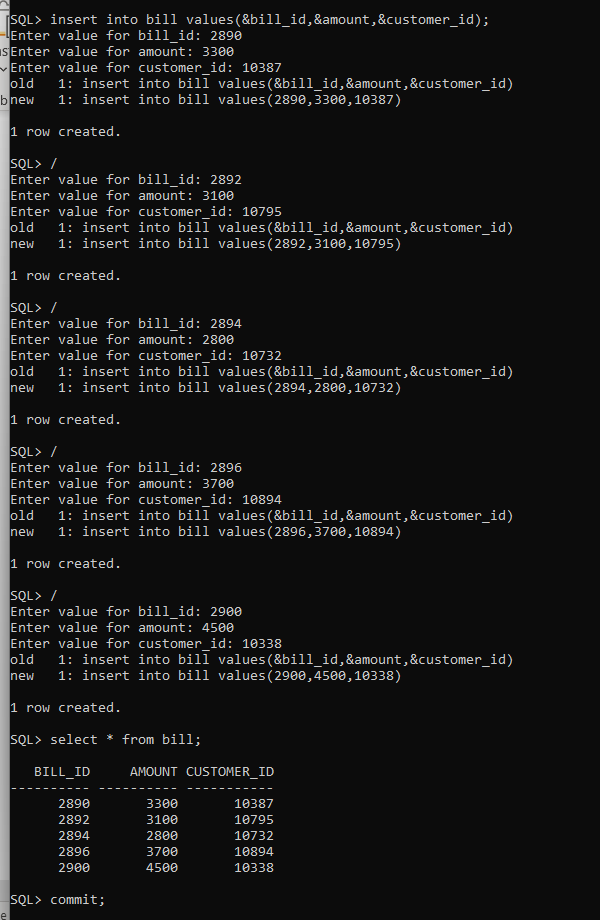
**INSERTING DATA INTO THE CREATED TABLES:**

**1.INSERTING INTO CUSTOMERS TABLE**

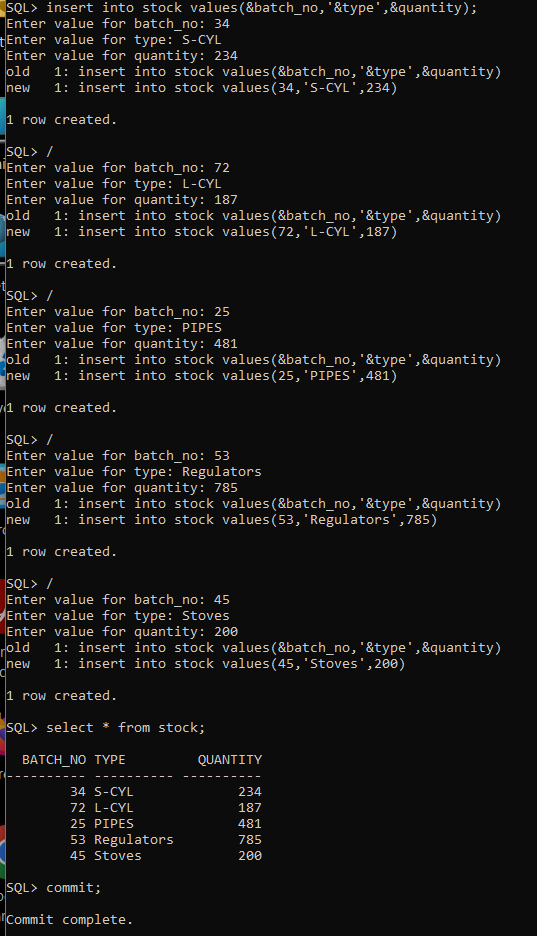
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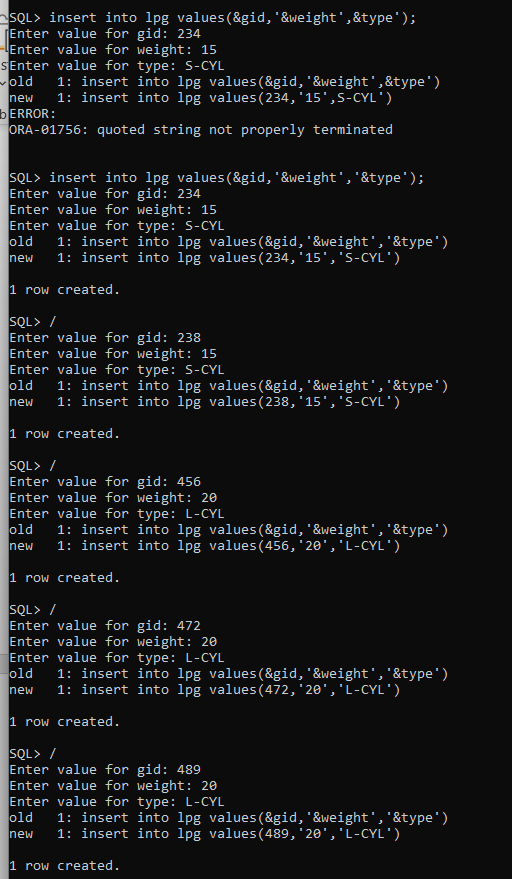
**2.INSERTING INTO BILL TABLE**

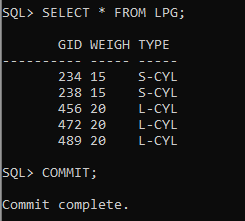


**3.INSERTING INTO STOCK TABLE :**

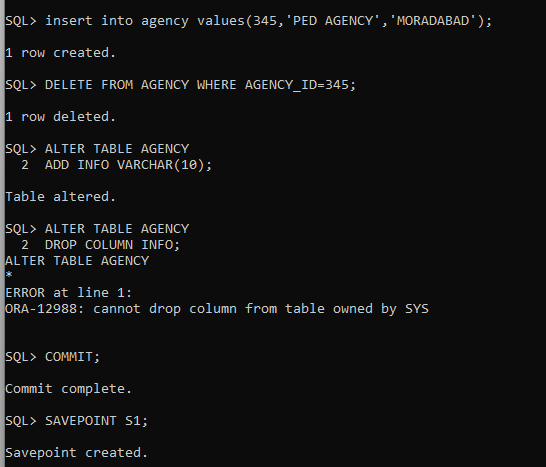
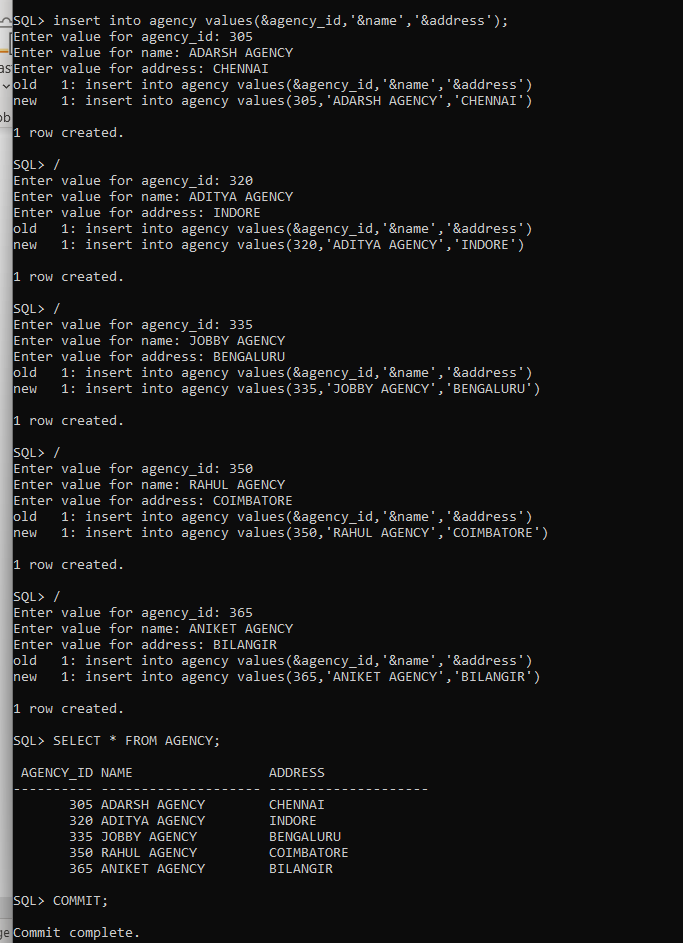
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**4.INSERTING INTO LPG TABLE:**

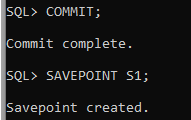
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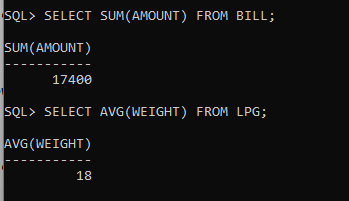
**5.INSRTING INTO AGENCY TABLE:**



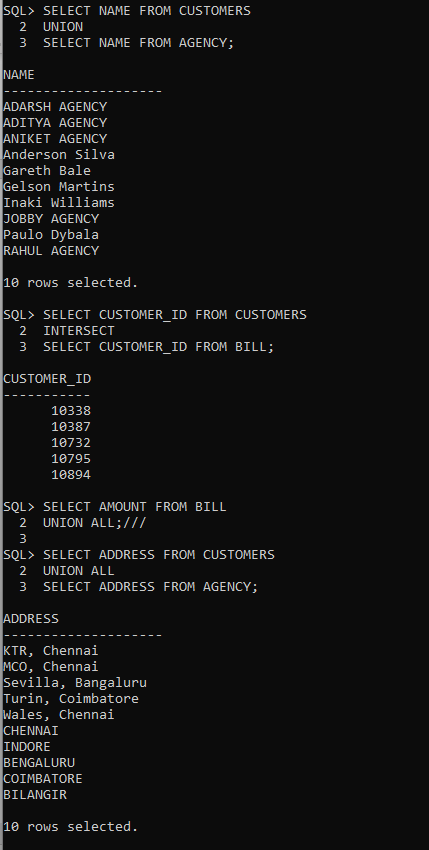
**TCL COMMANDS**

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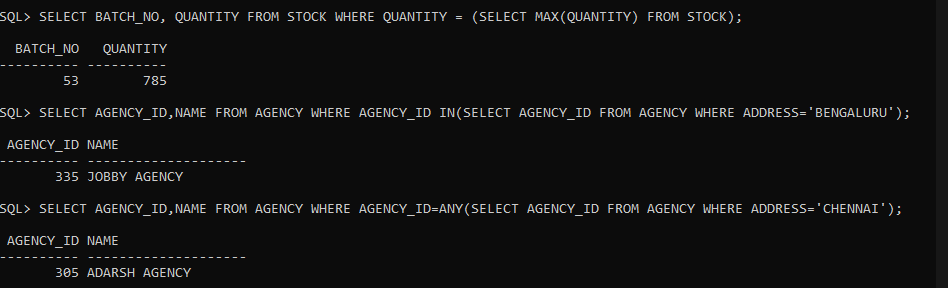
**BUILT-IN FUNCTIONS**

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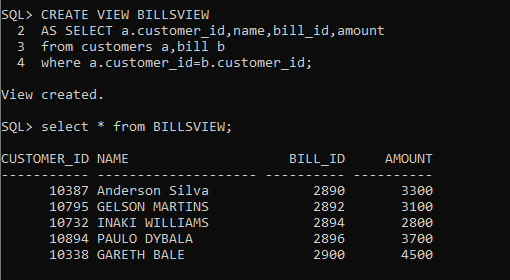
**SET OPERATORS**



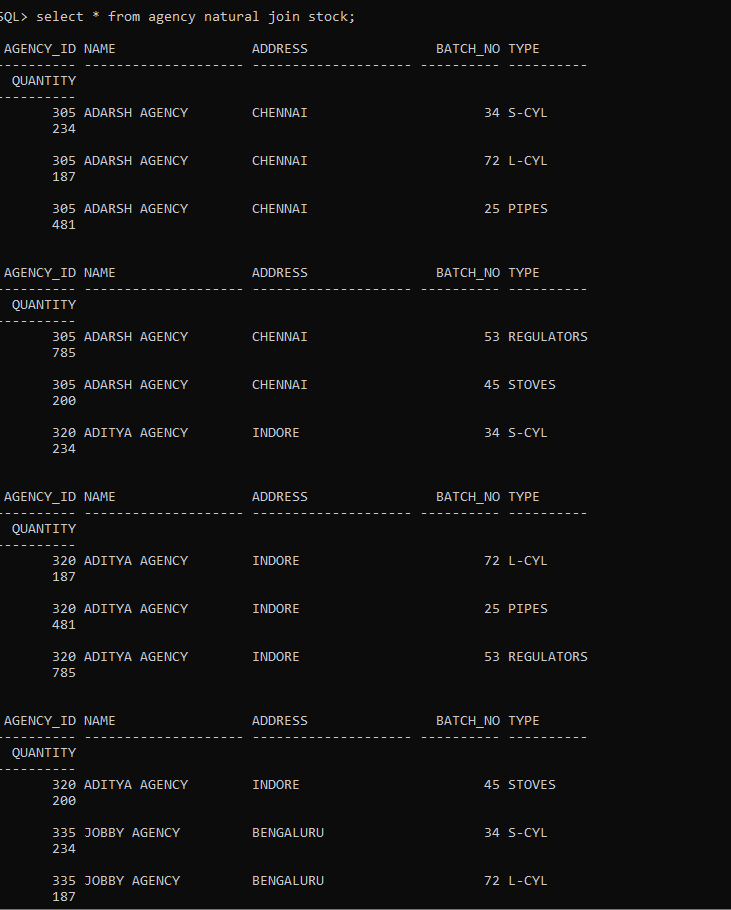
**SUB QUERY**

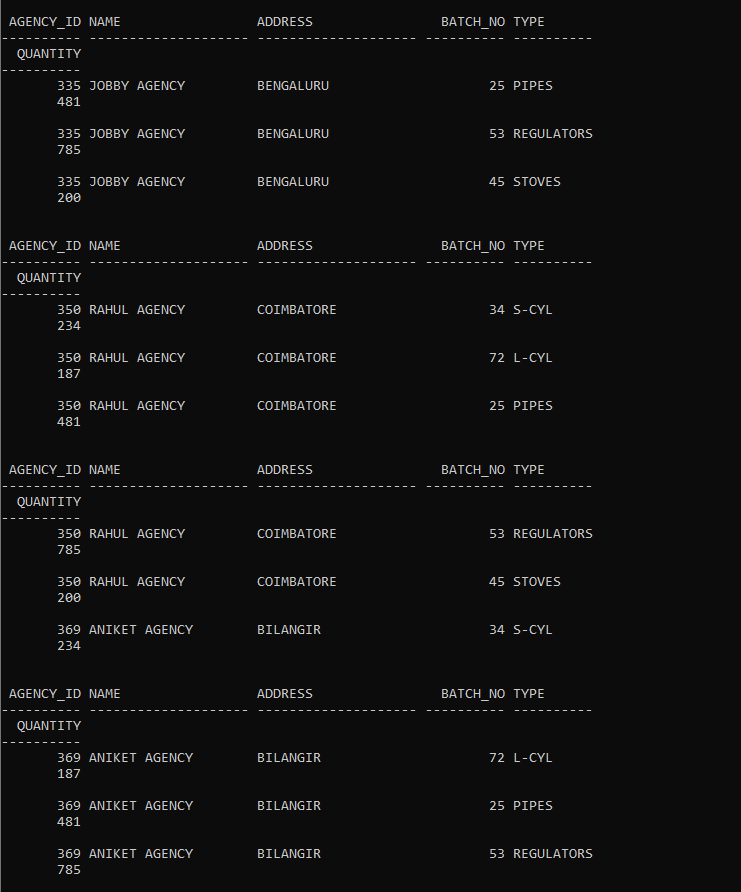
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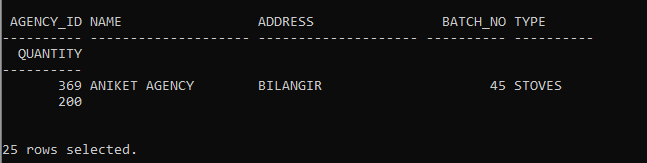
**CREATING DIFFERENT VIEWS WITH JOIN FOR THE DATABASE:**





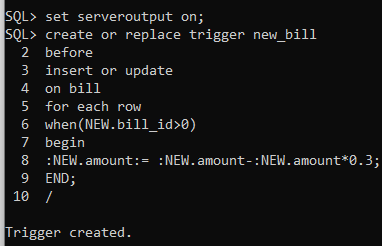






**PL/SQL**

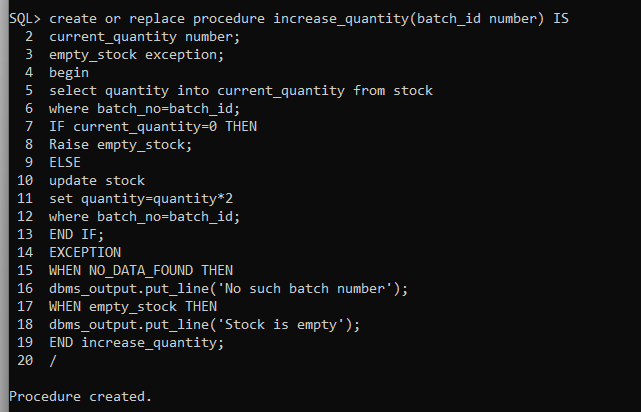
**TRIGGER:-**



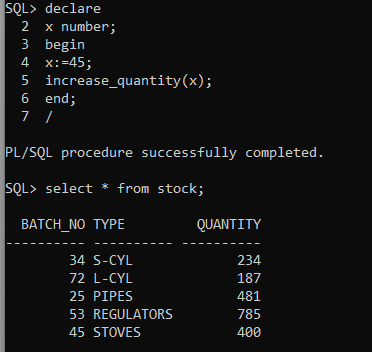
OUTPUT:-



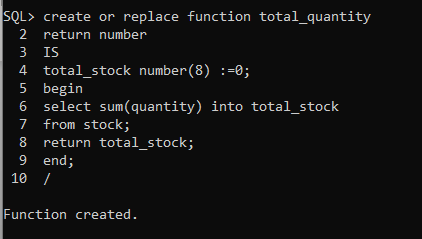
**PROCEDURE WITH EXCEPTION HANDLING:-**

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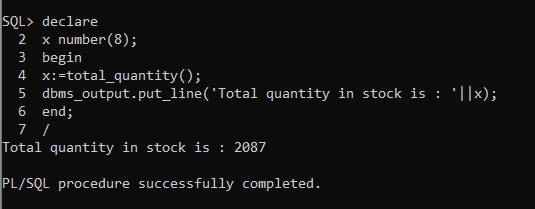
**OUTPUT:-**

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**FUNCTION:-**

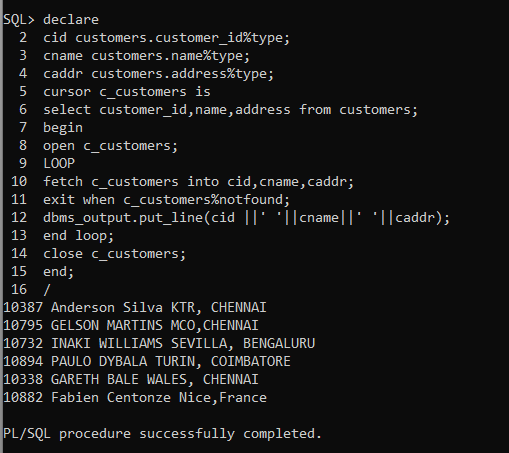
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**OUTPUT:-**

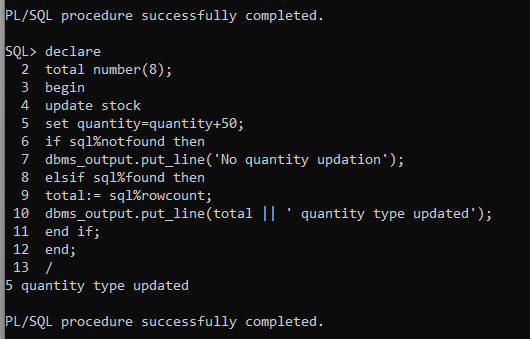
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**CURSOR:-**

**i)EXPLICIT CURSOR**

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**ii)IMPLICIT CURSOR**

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