**DBMS ASSIGNMENT 3**

**NAME: Abhijit Gawai**

**ROLL NO: 18 (batch 1)**

**GR NO: 11810895**

Problem Statement: Create tables for the above schema using DDL queries. Apply appropriate constraints. Alter the table design by adding/removing column and constraints. Write DML statements to modify data in tables

1. **Customer(customer\_name, customer\_number, phno, DOB, age, city, area, street, flat\_no)**

3NF:

**Customer5 (customer\_fname, customer\_lname, customer\_number, phno, DOB, city, area, street, flat\_no)**

and

**Customer6 (DOB, age)**

**Customer5 (customer\_fname, customer\_lname, customer\_number, phno, DOB, city, area, street, flat\_no)**

**Initializing table:**

create table Customer5(customer\_fname varchar(30) , customer\_lname varchar(30) , customer\_number int , phno int , DOB varchar(30), city varchar(30), area varchar(30) , street varchar(30), flat\_no int );

**Inserting values:**

insert into Customer5(customer\_fname, customer\_lname, customer\_number, phno, DOB, city, area, street, flat\_no) values('abhijit','gawai', 1, 9130115171, '16/01/2000', 'akola', 'gaurakshan' , 'k.Lawns', 201);

**Displaying table:**

select \* from Customer5



**Customer6 (DOB, age)**

**Initializing table:**

Customer6(DOB, age)

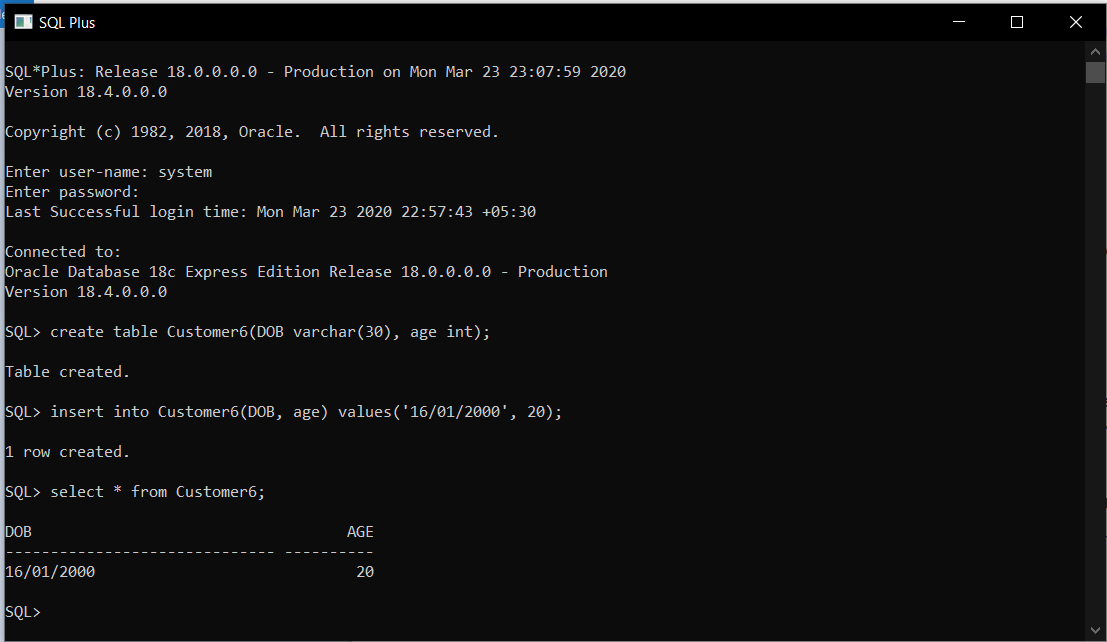
create table Customer6(DOB varchar(30), age int);

**Inserting values:**

insert into Customer6(DOB, age) values('16/01/2000', 20);

**Displaying table:**

select \* from Customer6;



1. **Mall(Mall\_name, location, category, brand\_s, total\_visits, total\_bill\_paid, avg\_bill\_paid)**

3NF:

**Mall1 (Mall\_name, city, area, category, brand\_s, total\_visits, total\_bill\_paid)**

and

**Mall2 (total\_visits, total\_bill\_paid, avg\_bill\_paid)**

**Mall1 (Mall\_name, city, area, category, brand\_s, total\_visits, total\_bill\_paid)**

**Initializing table:**

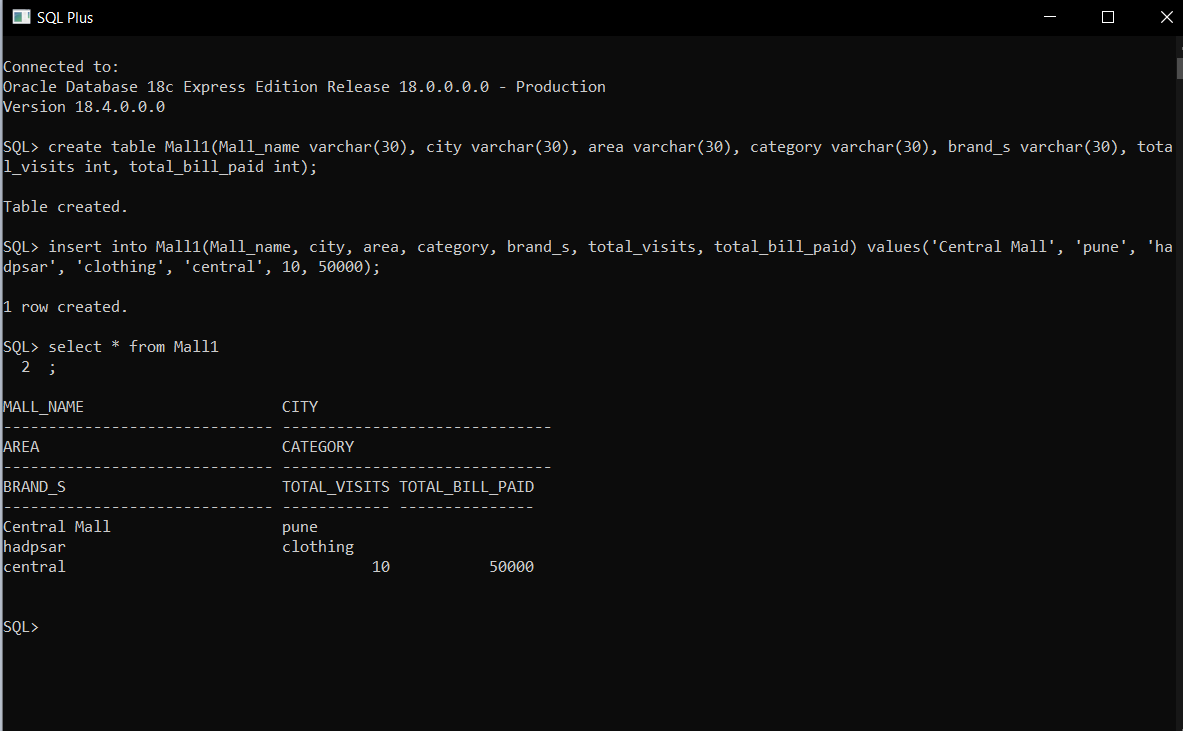
create table Mall1(Mall\_name varchar(30), city varchar(30), area varchar(30), category varchar(30), brand\_s varchar(30), total\_visits int, total\_bill\_paid int);

**Inserting values:**

insert into Mall1(Mall\_name, city, area, category, brand\_s, total\_visits, total\_bill\_paid) values('Central Mall', 'pune', 'hadpsar', 'clothing', 'central', 10, 50000);

**Displaying table:**

select \* from Mall1;



**Mall2 (total\_visits, total\_bill\_paid, avg\_bill\_paid)**

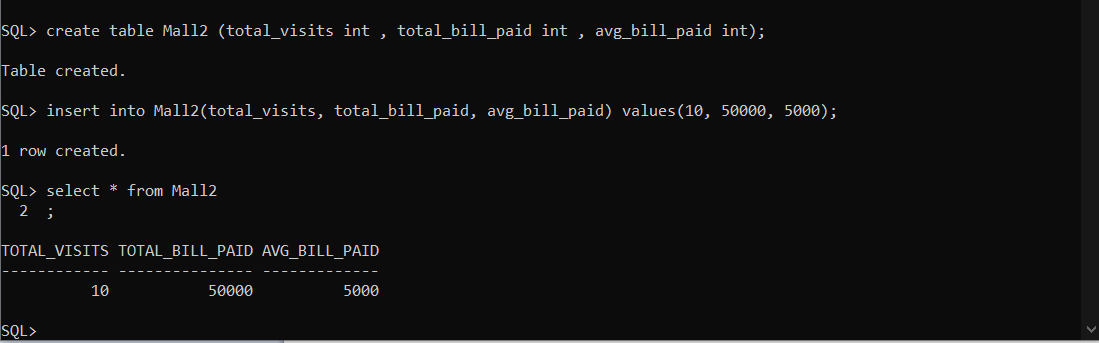
**Initializing table:**

create table Mall2 (total\_visits int , total\_bill\_paid int , avg\_bill\_paid int);

**Inserting values:**

insert into Mall2(total\_visits, total\_bill\_paid, avg\_bill\_paid) values(10, 50000, 5000);

**Displaying table:**

select \* from Mall2; 

1. **Products (RFID\_tagno, Product\_name, Quantity\_of\_Product, Price\_of\_Product, Total\_price\_of\_Product, Product\_brand, Product\_catagory, location\_in\_shop)**

3NF:

**Products1 (RFID\_tagno, Product\_name, Quantity\_of\_Product, Price\_of\_Product, Product\_brand, Product\_catagory, location\_in\_shop)**

And

**Products2 (Quantity\_of\_Product, Price\_of\_Product, Total\_price\_of\_Product)**

**Products1 (RFID\_tagno, Product\_name, Quantity\_of\_Product, Price\_of\_Product, Product\_brand, Product\_catagory, location\_in\_shop)**

**Initializing table:**

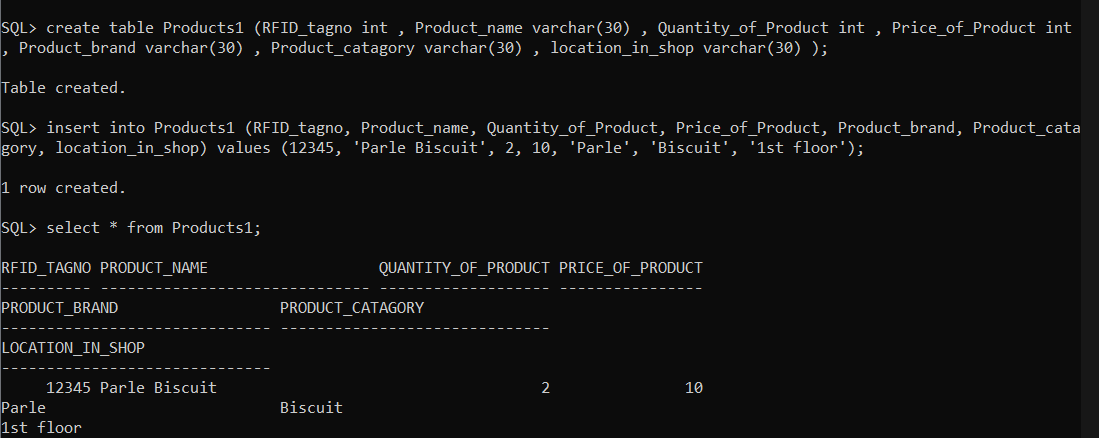
create table Mall1(**Mall\_name varchar(30), city varchar(30), area varchar(30), category varchar(30), brand\_s varchar(30) total\_visits int, total\_bill\_paid int**);

**Inserting values:**

insert into Mall1(**Mall\_name, city, area, category, brand\_s, total\_visits, total\_bill\_paid**) values('Central Mall', 'pune', 'hadpsar', 'clothing', 'central', 10, 50000);

**Displaying table:**

select \* from Products1;



**Products2 (Quantity\_of\_Product, Price\_of\_Product, Total\_price\_of\_Product)**

**Initializing table:**

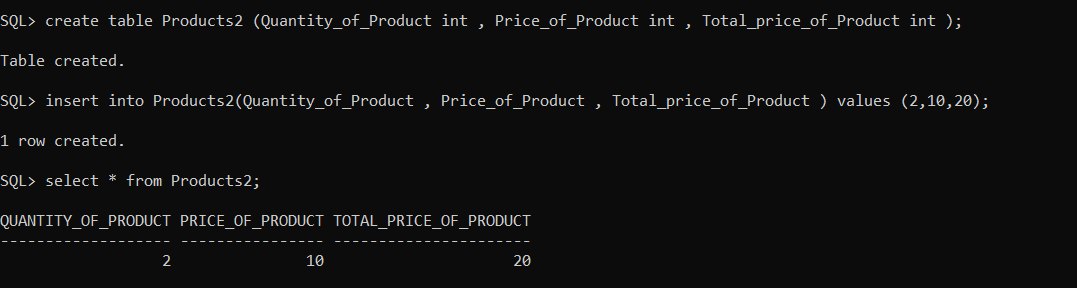
create table **Products2 (Quantity\_of\_Product int , Price\_of\_Product int , Total\_price\_of\_Product int );**

**Inserting values:**

**insert into Products2(Quantity\_of\_Product , Price\_of\_Product , Total\_price\_of\_Product ) values (2,10,20);**

**Displaying table:**

select \* from Products2;

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1. **Bill (Bill\_no, Transaction\_id, Payment\_mode, Payment\_status, Total\_bill)**

**3NF:**

**Bill (Bill\_no, Transaction\_id, Payment\_mode, Payment\_status, Total\_bill)**

**Initializing table:**

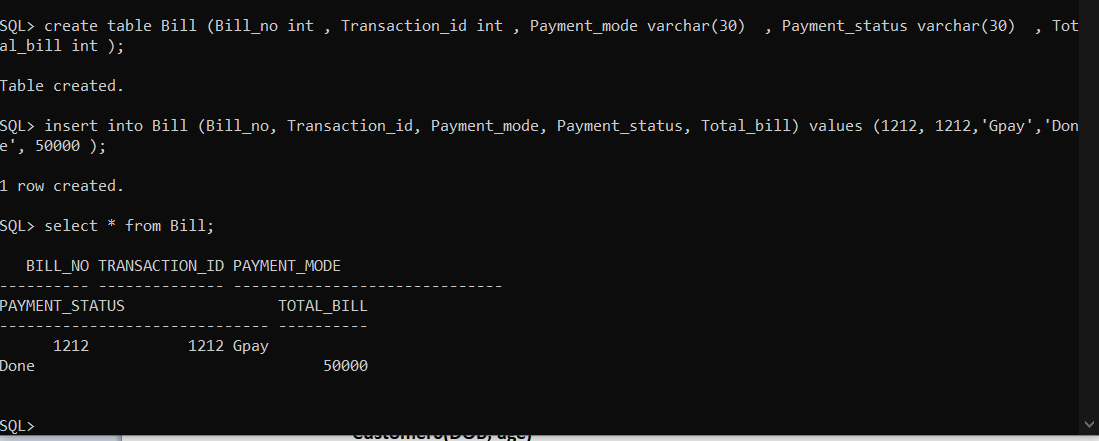
**create table Bill (Bill\_no int , Transaction\_id int , Payment\_mode varchar(30) , Payment\_status varchar(30) , Total\_bill int );**

**Inserting values:**

**insert into Bill (Bill\_no, Transaction\_id, Payment\_mode, Payment\_status, Total\_bill) values (1212, 1212,'Gpay','Done', 50000 );**

**Displaying table:**

select \* from Bill;

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1. **Vehicle (Vehicle\_number, Type\_of\_vehicle, Parking\_fee, Parking\_location)**

**3NF:**

**Vehicle (Vehicle\_number, Type\_of\_vehicle, Parking\_fee, Parking\_location)**

**Initializing table:**

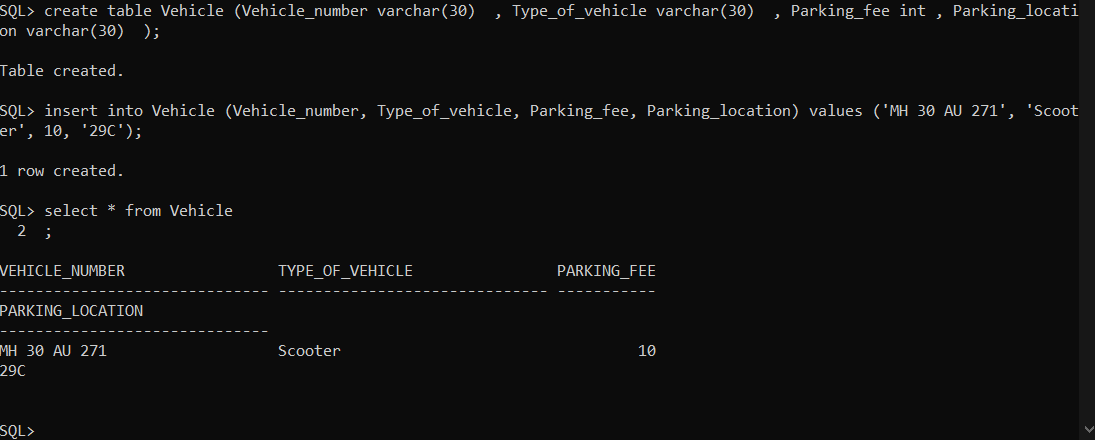
**create table Bill (Bill\_no int , Transaction\_id int , Payment\_mode varchar(30) , Payment\_status varchar(30) , Total\_bill int );**

**Inserting values:**

**create table Vehicle (Vehicle\_number varchar(30) , Type\_of\_vehicle varchar(30) , Parking\_fee int , Parking\_location varchar(30) );**

**Displaying table:**

select \* from Vehicle;

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1. **Shop (Shop\_no, Shop\_total\_bill ,Shop\_catagory, Shop\_brand, Floor)**

**3NF:**

**Shop (Shop\_no, Shop\_total\_bill ,Shop\_catagory, Shop\_brand, Floor)**

**Initializing table:**

**create table Shop (Shop\_no int , Shop\_total\_bill int ,Shop\_catagory varchar(30) , Shop\_brand varchar(30) , Floor int );**

**Inserting values:**

**insert into Shop (Shop\_no, Shop\_total\_bill ,Shop\_catagory, Shop\_brand, Floor) values (17, 50000, 'Clothing', 'HnM', 2);**

**Displaying table:**

select \* from Shop;

