DAY 2

NAME: Nandhini V DATE: 08-07-2025

Tasks:

1. Create table Customer with columns

CUSTOMER_ID VARCHAR(20)
FIRSTNAME VARCHAR(10)
MIDDLE_NAME VARCHAR(20)
CUSTOMER_CITY VARCHAR(15)
CUSTOMER_CONTACT_NO VARCHAR(10)
OCCUPATION VARCHAR(10)
CUSTOMER_DATE_OF_BIRTH DATE

- 2. Add column lastname varchar(20).
- 3. Modify the column size of firstname to 30.
- 4. Drop the column middle_name.
- 5. Insert some rows into customer table.
- 6. Create table account with columns

account_number VARCHAR(20) customer_number VARCHAR(20) branch_id VARCHAR(10) opening_balance double account_opening_date DATE account_type VARCHAR(10) account_status VARCHAR(10)

- 7. Insert some rows in account table.
- 8. Write a guery to display customer's number, customer's firstname, lastname and date of birth.
- 9. Write a query to display customers from city Chennai.
- 10. Write a query to display customer id whose opening balance is in the range 5000 to 10000.

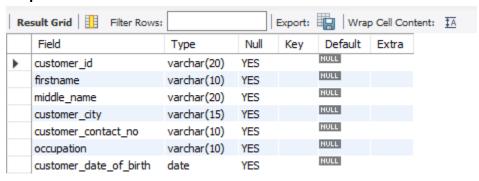
Solution:

1.Query:

create table customer(customer_id varchar(20), firstname varchar(10), middle_name varchar(20), customer_city varchar(15), customer_contact_no varchar(10), occupation varchar(10), customer_date_of_birth_date);

desc customer;

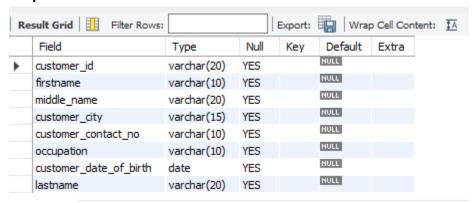
Output:



2.Query:

alter table customer add column lastname varchar(20);

desc customer;

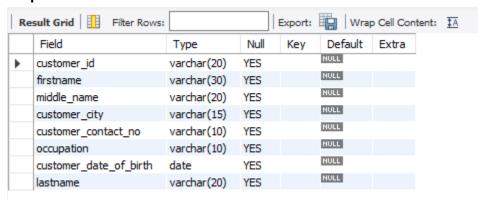


3.Query:

alter table customer modify column firstname varchar(30);

desc customer;

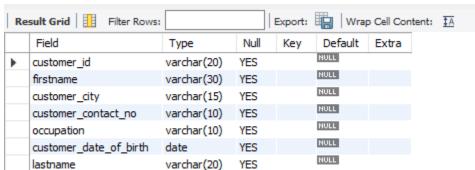
Output:



4. Query:

alter table customer drop column middle_name;

desc customer;

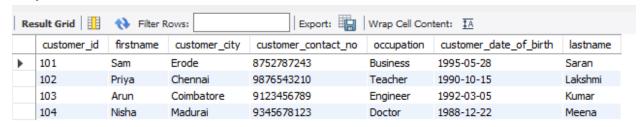


5.Query:

insert into customer values(101, 'Sam', 'Erode', 8752787243, 'Business', '1995-05-28', 'Saran'), ('102', 'Priya', 'Chennai', '9876543210', 'Teacher', '1990-10-15', 'Lakshmi'), ('103', 'Arun', 'Coimbatore', '9123456789', 'Engineer', '1992-03-05', 'Kumar'), ('104', 'Nisha', 'Madurai', '9345678123', 'Doctor', '1988-12-22', 'Meena');

select * from customer;

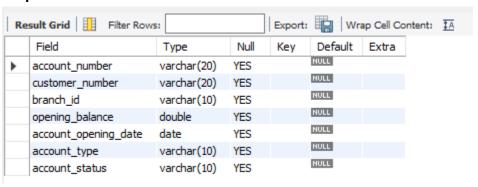
Output:



6.Query:

create table account(account_number varchar(20), customer_number varchar(20), branch_id varchar(10), opening_balance double, account_opening_date date, account_type varchar(10), account_status varchar(10));

desc account;

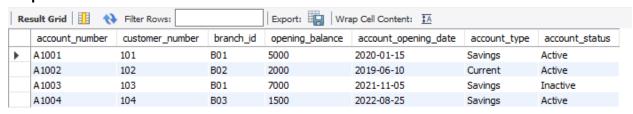


7.Query:

insert into account values('A1001', '101', 'B01', 5000.00, '2020-01-15', 'Savings', 'Active'), ('A1002', '102', 'B02', 2000.00, '2019-06-10', 'Current', 'Active'), ('A1003', '103', 'B01', 7000.00, '2021-11-05', 'Savings', 'Inactive'), ('A1004', '104', 'B03', 1500.00, '2022-08-25', 'Savings', 'Active');

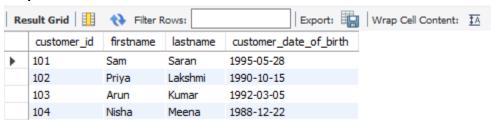
select * from account;

Output:



8. Query:

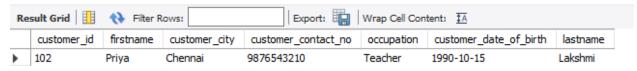
select customer_id, firstname, lastname, customer_date_of_birth from customer;



9. Query:

select * from customer where customer_city = 'chennai';

Output:



10.Query:

select customer_number from account where opening_balance between 5000 and 10000;

