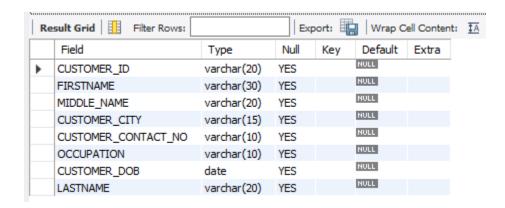**TASK 2**

1. **CREATE TABLE CUSTOMER WITH COLUMNS**

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_DOB DATE);

Table :

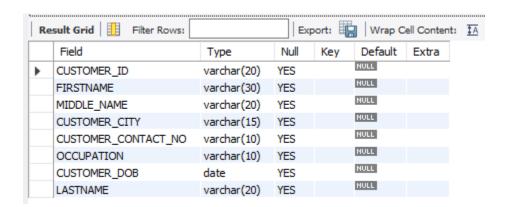| CUSTOMER_ID	FIRSTNAME	MIDDLE_NAME	CUSTOMER_CITY	CUSTOMER_CONTACT_NO	OCCUPATION	CUSTOMER_DOB

2. **ADD COLUMN LAST NAME**

ALTER TABLE Customer ADD LASTNAME VARCHAR(20);

	Field	Type	Null	Key	Default	Extra
▶	CUSTOMER_ID	varchar(20)	YES		NULL	
	FIRSTNAME	varchar(30)	YES		NULL	
	MIDDLE_NAME	varchar(20)	YES		NULL	
	CUSTOMER_CITY	varchar(15)	YES		NULL	
	CUSTOMER_CONTACT_NO	varchar(10)	YES		NULL	
	OCCUPATION	varchar(10)	YES		NULL	
	CUSTOMER_DOB	date	YES		NULL	
	LASTNAME	varchar(20)	YES		NULL	

3. MODIFY COLUMN SIZE OD FIRST NAME

ALTER TABLE Customer MODIFY FIRSTNAME VARCHAR(30);

Field	Type	Null	Key	Default	Extra
CUSTOMER_ID	varchar(20)	YES		NULL	
FIRSTNAME	varchar(30)	YES		NULL	
MIDDLE_NAME	varchar(20)	YES		NULL	
CUSTOMER_CITY	varchar(15)	YES		NULL	
CUSTOMER_CONTACT_NO	varchar(10)	YES		NULL	
OCCUPATION	varchar(10)	YES		NULL	
CUSTOMER_DOB	date	YES		NULL	
LASTNAME	varchar(20)	YES		NULL	

4. DROP THE COLUMN MIDDLE NAME

ALTER TABLE Customer
DROP COLUMN MIDDLE_NAME;

Field	Type	Null	Key	Default	Extra
CUSTOMER_ID	varchar(20)	YES		NULL	
FIRSTNAME	varchar(30)	YES		NULL	
CUSTOMER_CITY	varchar(15)	YES		NULL	
CUSTOMER_CONTACT_NO	varchar(10)	YES		NULL	
OCCUPATION	varchar(20)	YES		NULL	
CUSTOMER_DOB	date	YES		NULL	
LASTNAME	varchar(20)	YES		NULL	

5. INSERT SOME ROWS IN CUSTOMER TABLE

INSERT INTO Customer (CUSTOMER_ID, FIRSTNAME, LASTNAME, CUSTOMER_CITY, CUSTOMER_CONTACT_NO, OCCUPATION, CUSTOMER_DOB) VALUES
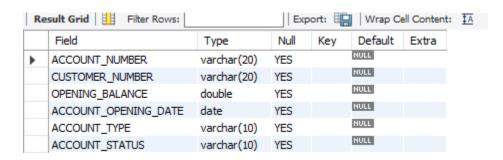('C001', 'Sanjeev', 'N', 'Coimbatore', '9876543210', 'Software Engineer', '2004-05-15'),
('C002', 'Karthi', 'S', 'Chennai', '8976543210', 'Software Engineer', '2004-09-21'),
('C003', 'Dharanesh', 'R', 'Chennai', '7896543210', 'Software Developer', '2004-12-10'),
('C004', 'Surya', 'M', 'Hyderabad', '6789543210', 'Software Developer', '2004-06-05');

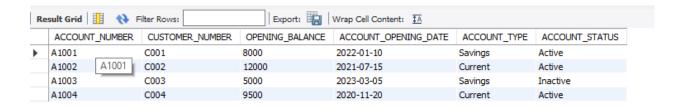| CUSTOMER_ID	FIRSTNAME	CUSTOMER_CITY	CUSTOMER_CONTACT_NO	OCCUPATION	CUSTOMER_DOB	LASTNAME
C001	Sanjeev	Coimbatore	9876543210	Software Engineer	2004-05-15	N
C002	Karthi	Chennai	8976543210	Software Engineer	2004-09-21	S
C003	Dharanesh	Chennai	7896543210	Software Developer	2004-12-10	R
C004	Surya	Hyderabad	6789543210	Software Developer	2004-06-05	M

6. CREATE TABLE ACCOUNT

```
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));
```

Result Grid	Filter Rows:		Export:	Wrap Cell Content:

Field	Type	Null	Key	Default	Extra
ACCOUNT_NUMBER	varchar(20)	YES		NULL	
CUSTOMER_NUMBER	varchar(20)	YES		NULL	
OPENING_BALANCE	double	YES		NULL	
ACCOUNT_OPENING_DATE	date	YES		NULL	
ACCOUNT_TYPE	varchar(10)	YES		NULL	
ACCOUNT_STATUS	varchar(10)	YES		NULL	

7. INSERT SOME ROWS IN ACCOUNT TABLE

```
INSERT INTO Account (ACCOUNT_NUMBER, CUSTOMER_NUMBER,
OPENING_BALANCE, ACCOUNT_OPENING_DATE,
ACCOUNT_TYPE, ACCOUNT_STATUS) VALUES
('A1001', 'C001',  8000.00, '2022-01-10', 'Savings', 'Active'),
('A1002', 'C002', 12000.00, '2021-07-15', 'Current', 'Active'),
('A1003', 'C003',  5000.00, '2023-03-05', 'Savings', 'Inactive'),
('A1004', 'C004',  9500.00, '2020-11-20', 'Current', 'Active');
```

Result Grid	Filter Rows:		Export:	Wrap Cell Content:		

ACCOUNT_NUMBER	CUSTOMER_NUMBER	OPENING_BALANCE	ACCOUNT_OPENING_DATE	ACCOUNT_TYPE	ACCOUNT_STATUS
A1001	C001	8000	2022-01-10	Savings	Active
A1002	C002	12000	2021-07-15	Current	Active
A1003	C003	5000	2023-03-05	Savings	Inactive
A1004	C004	9500	2020-11-20	Current	Active

8. **TO DISPLAY CUSTOMER NUMBER, CUSTOMER FIRSTNAME, LASTNAME, DOB**

SELECT CUSTOMER_ID,
FIRSTNAME,
LASTNAME,
CUSTOMER_DOB
FROM Customer;

	CUSTOMER_ID	FIRSTNAME	LASTNAME	CUSTOMER_DOB
▶	C001	Sanjeev	N	2004-05-15
	C002	Karthi	S	2004-09-21
	C003	Dharanesh	R	2004-12-10
	C004	Surya	M	2004-06-05

9. **TO DISPLAY CUSTOMER FROM CITY CHENNAI**

SELECT * FROM Customer
WHERE CUSTOMER_CITY = 'Chennai';

	CUSTOMER_ID	FIRSTNAME	MIDDLE_NAME	CUSTOMER_CITY	CUSTOMER_CONTACT_NO	OCCUPATION	CUSTOMER_DOB	LASTNAME
▶	C002	Karthi	NULL	Chennai	8976543210	Software Engineer	2004-09-21	S
	C003	Dharanesh	NULL	Chennai	7896543210	Software Developer	2004-12-10	R

10. **TO DISPLAY CUSTOMER ID OPENING BALANCE BETWEEN 5000 TO 10000**

SELECT CUSTOMER_NUMBER FROM Account
WHERE OPENING_BALANCE BETWEEN 5000 AND 10000;

	CUSTOMER_NUMBER
▶	C001
	C003
	C004