

TASK 2

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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
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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 OF 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));
```

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;
```

Result Grid	Filter Rows:	Export:	Wr
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';
```

Result Grid		Filter Rows	Export	Wrap Cell Content				
	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;
```

