

DAY-2

NAME:NANCY M

DATE:08/07/25

Ques 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
```

Ans 1:

```
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);
```

	Field	Type	Null	Key	Default	Extra
►	CUSTOMER_ID	varchar(20)	YES		NULL	
	FIRSTNAME	varchar(10)	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_DATE_OF_BIRTH	date	YES		NULL	

Ques 2:

Add column lastname varchar(20).

Ans 2:

alter table customer add column lastname varchar(20);

Field	Type	Null	Key	Default	Extra
CUSTOMER_CITY	varchar(15)	YES		NULL	
CUSTOMER_CONTACT_NO	varchar(10)	YES		NULL	
OCCUPATION	varchar(10)	YES		NULL	
CUSTOMER_DATE_OF_BIRTH	date	YES		NULL	
lastname	varchar(20)	YES		NULL	

Ques 3:

Modify the column size of firstname to 30.

Ans 3:

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	

Ques 4:

Drop the column middle_name.

Ans 4:

```
alter table customer drop 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(10)	YES		NULL	
	CUSTOMER DATE OF BIRTH	date	YES		NULL	

Ques 5:

Insert some rows into customer table.

Ans 5:

```
insert into customer value(0001,'jack','cbe',1234567897,'dev','2004-10-28','m'),
(0002,'rocky','cbe',1234567897,'dev','2004-10-28','m'),
(0003,'ken','ooty',4567898765,'testing','2004-10-20','n'),
(0004,'jenny','blg',0987654356,'dev','2003-10-2','s'),
(0005,'rufus','chennai',0984532678,'ui','2000-10-20','l'),
(0006,'billu','goa',2456789043,'BA','2004-10-28','y');
```

	CUSTOMER_ID	FIRSTNAME	CUSTOMER_CITY	CUSTOMER_CONTACT_NO	OCCUPATION	CUSTOMER_DATE_OF_BIRTH	lastname
▶	1	jack	cbe	1234567897	dev	2004-10-28	m
	2	rocky	cbe	1234567897	dev	2004-10-28	m
	3	ken	ooty	4567898765	testing	2004-10-20	n
	4	jenny	blg	987654356	dev	2003-10-02	s
	5	rufus	chennai	984532678	ui	2000-10-20	l
	6	billu	goa	2456789043	BA	2004-10-28	y

Ques 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)
```

Ans 6:

```
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	
	branch_id	varchar(10)	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	

Ques 7:

Insert some rows in account table.

Ans 7:

```
insert into account value ('ACC1001', 'CUST001', 'BR001', 5000.00, '2024-06-15',  
'Saving', 'Active'),  
('ACC1002', 'CUST002', 'BR002', 10000.00, '2023-12-10', 'Current', 'Active'),  
('ACC1003', 'CUST003', 'BR003', 7500.50, '2024-01-20', 'Salary', 'Inactive'),  
('ACC1004', 'CUST004', 'BR004', 2000.00, '2022-08-05', 'Fixed', 'Closed'),  
('ACC1005', 'CUST005', 'BR005', 15000.75, '2024-07-08', 'Saving', 'Blocked');
```

	account_number	customer_number	branch_id	opening_balance	account_opening_date	account_type	account_status
▶	ACC1001	CUST001	BR001	5000	2024-06-15	Saving	Active
	ACC1002	CUST002	BR002	10000	2023-12-10	Current	Active
	ACC1003	CUST003	BR003	7500.5	2024-01-20	Salary	Inactive
	ACC1004	CUST004	BR004	2000	2022-08-05	Fixed	Closed
	ACC1005	CUST005	BR005	15000.75	2024-07-08	Saving	Blocked

Ques 8:

Write a query to display customer's number, customer's firstname,lastname and date of birth.

Ans 8:

```
select customer_id,firstname,lastname,customer_date_of_birth from customer;
```

	customer_id	firstname	lastname	customer_date_of_birth
▶	1	jack	m	2004-10-28
	2	rocky	m	2004-10-28
	3	ken	n	2004-10-20
	4	jenny	s	2003-10-02
	5	rufus	l	2000-10-20

Ques 9:

Write a query to display customers from city Chennai.

Ans 9:

```
select * from customer where customer_city="chennai";
```

Result Grid							
		Filter Rows:		Export:	Wrap Cell Content:		
	CUSTOMER_ID	FIRSTNAME	CUSTOMER_CITY	CUSTOMER_CONTACT_NO	OCCUPATION	CUSTOMER_DATE_OF_BIRTH	lastname
▶	5	rufus	chennai	984532678	ui	2000-10-20	I

Ques 10:

Write a query to display customer id whose opening balance is in the range 5000 to 10000

Ans 10:

```
select customer_number from account where opening_balance between 5000 and 10000;
```

Result Grid	
	customer_number
▶	CUST001
	CUST002
	CUST003