

Day 2

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Questions

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

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	

2.Add column lastname varchar(20).

alter table Customer add column lastname varchar(20);

	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	
	lastname	varchar(20)	YES		NULL	

3.Modify the column size of firstname to 30.

alter table Customer modify column 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_date_of_birth	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(10)	YES		NULL	
	customer_date_of_birth	date	YES		NULL	
	lastname	varchar(20)	YES		NULL	

5. Insert some rows into customer table.

alter table Customer drop column Middle_name;

insert into Customer values(1001,'ramu','cbe',1234567890,'IT','2002-09-12','S'),
(1002,'anu','Erode',7010239070,'IT','2005-04-04','N'),
(1003,'raju','chennai',0987654321,'Manager','2004-10-06','V');

	customer_id	firstname	customer_city	Customer_contact_no	occupation	customer_date_of_birth	lastname
▶	1001	ramu	cbe	1234567890	IT	2002-09-12	S
	1002	anu	Erode	7010239070	IT	2005-04-04	N
	1003	raju	chennai	987654321	Manager	2004-10-06	V

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)

create table accounts(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		NUL	
	customer_number	varchar(20)	YES		NUL	
	branch_id	varchar(10)	YES		NUL	
	opening_balance	double	YES		NUL	
	account_opening_date	date	YES		NUL	
	account_type	varchar(10)	YES		NUL	
	account_status	varchar(10)	YES		NUL	

7.Insert some rows in account table.

insert into accounts values ('A01', 'C01', 'B01', 15000, '2023-01-15', 'saving', 'active'),
('A02', 'C02', 'B02', 5000, '2023-02-10', 'current', 'active'),
('A03', 'C03', 'B01', 25000, '2022-12-05', 'saving', 'inactive'),
('A04', 'C04', 'B03', 10000, '2023-05-20', 'current', 'active'),
('A05', 'C05', 'B02', 8000, '2023-07-01', 'saving', 'inactive');

	account_number	customer_number	branch_id	opening_balance	account_opening_date	account_type	account_status
►	A01	C01	B01	15000	2023-01-15	saving	active
	A02	C02	B02	5000	2023-02-10	current	active
	A03	C03	B01	25000	2022-12-05	saving	inactive
	A04	C04	B03	10000	2023-05-20	current	active
	A05	C05	B02	8000	2023-07-01	saving	inactive

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

select customer_id,firstname,lastname,customer_date_of_birth from customer;

	customer_id	firstname	lastname	customer_date_of_birth
►	1001	ramu	S	2002-09-12
	1002	anu	N	2005-04-04
	1003	raju	V	2004-10-06

9. Write a query to display customers from city Chennai.

select *from customer where customer_city="chennai";

	customer_id	firstname	customer_city	Customer_contact_no	occupation	customer_date_of_birth	lastname
►	1003	raju	chennai	987654321	Manager	2004-10-06	V

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

select customer_number from accounts where opening_balance between 5000 and 10000;

	customer_number
▶	C02
	C04
	C05