Extension

CREATE EXTENSION IF NOT EXISTS "uuid-ossp";

Create Table.

```
CREATE TABLE IF NOT EXISTS hc.users (
        user_id UUID PRIMARY KEY DEFAULT uuid_generate_v4(),
        first_name VARCHAR(50) NOT NULL,
        last_name VARCHAR(50) NOT NULL,
        email VARCHAR(50) NOT NULL UNIQUE,
        password VARCHAR(100) NOT NULL,
        created_by UUID,
        created_date TIMESTAMP DEFAULT now(),
        modified_by UUID,
        modified_date TIMESTAMP,
        is_active BOOLEAN NOT NULL DEFAULT TRUE,
        is_deleted BOOLEAN NOT NULL DEFAULT FALSE,
        birth_date DATE,
        address VARCHAR(300),
        mobile_number VARCHAR(20) NOT NULL
)
```

Inserting values.

```
INSERT INTO hc.users ( first_name, last_name, email, password, birth_date, address,
mobile_number)
VALUES ('Bhargav', 'Maru', 'bhargav@gmail.com', 'bhargav123', '2005-02-02', 'porbandar',
'1234567890');
```

```
SELECT * FROM hc.users;
```

INSERT INTO hc.users(first_name, last_name, email, password, is_active, is_deleted, birth_date, address, mobile_number)
VALUES
('parth', 'savaliya', 'parth@gmail.com', 'parth123', TRUE, FALSE, '2003-03-09', 'dhari', '1234567899'),
('Aarsi', 'ukani', 'aarsi@gmail.com', 'aarsi123', TRUE, FALSE, '2004-03-09', 'amreli', '1237567899'),
('ankit', 'parmar', 'ankit@gmail.com', 'ankit', FALSE, TRUE, '2001-03-09', 'upleta', '3334567899'),
('Akash', 'virani', 'akash@gmail.com', 'akash123', TRUE, FALSE, '2005-03-09', 'dhari', '1234567899'),
('jay', 'odedra', 'jay@example.com', 'jay', TRUE, FALSE, '2007-03-09', 'porbandar', '2345678865'),
('keval', 'savaliya', 'keval@example.com', 'keval', TRUE, FALSE, '2003-07-09', 'bhavnagar', '1234567899'),
('riya', 'maru', 'riya@gmail.com', 'riya123', TRUE, FALSE, '2003-09-09', 'baroda', '123456646'),
('prakash', 'parmar', 'parakash@example.com', 'prakash1234', FALSE, TRUE, '2009-03-09', 'rajkot', '3334567899'),
('raj', 'baldha', 'raj@gmail.com', 'raj34', TRUE, FALSE, '2000-03-12', 'gondal', '345679876');

SQL Queries

1.Fetch all users

=> SELECT * FROM hc.users;

	user_id [PK] uuid	first_name character varying (50)	last_name character varying (50)	email character varying (50)	password character varying (100)	created_by uuid	created_date timestamp without time zone	modified_by uuid	modified_date timestamp without time zone	is_active boolean	is_deleted boolean	birth_d date
1	46187b76-f718-4bcb-a4e0-86a72f243dee	Bhargav	Maru	bhargav@gmail.com	bhargav123	[null]	2026-01-13 00:47:16.20526	[null]	[null]	true	false	2005-0
2	890310a3-a23d-4d34-a927-56bffa6791b9	parth	savaliya	parth@gmail.com	parth123	[null]	2026-01-13 01:02:02.827426	[null]	[null]	true	false	2003-0
3	5aea0cb6-9793-42dc-918a-1ec4856d9397	Aarsi	ukani	aarsi@gmail.com	aarsi123	[null]	2026-01-13 01:02:02.827426	[null]	[null]	true	false	2004-0
4	6938a936-90f6-4b4a-835b-0b80d6a911ad	ankit	parmar	ankit@gmail.com	ankit	[null]	2026-01-13 01:02:02.827426	[null]	[null]	false	true	2001-0
5	468ea7cf-6e49-447d-a8e2-0eb7638cfae6	Akash	virani	akash@gmail.com	akash123	[null]	2026-01-13 01:02:02.827426	[null]	[null]	true	false	2005-0
6	ac7bda17-f764-41ac-bf48-22f7b5f6e111	jay	odedra	jay@example.com	jay	[null]	2026-01-13 01:02:02.827426	[null]	[null]	true	false	2007-0
7	1510b543-b70c-4b7d-b955-83511b338d29	keval	savaliya	keval@example.com	keval	[null]	2026-01-13 01:02:02.827426	[null]	[null]	true	false	2003-0
8	fb537411-8b58-41b0-8124-c83f03ebe979	riya	maru	riya@gmail.com	riya123	[null]	2026-01-13 01:02:02.827426	[null]	[null]	true	false	2003-0
9	31eae1e3-39f7-4440-baea-f8e633fb494d	prakash	parmar	parakash@example.com	prakash1234	[null]	2026-01-13 01:02:02.827426	[null]	[null]	false	true	2009-0
10	13044180-92a2-4c17-bd89-5187318ed003	raj	baldha	raj@gmail.com	raj34	[null]	2026-01-13 01:02:02.827426	[null]	[null]	true	false	2000-0

2.Fetch only user name (first_name + last_name) and email

=>SELECT CONCAT(first_name,' ',last_name) AS name , email FROM hc.users;

	name text	email character varying (50)
1	Bhargav Maru	bhargav@gmail.com
2	parth savaliya	parth@gmail.com
3	Aarsi ukani	aarsi@gmail.com
4	ankit parmar	ankit@gmail.com
5	Akash virani	akash@gmail.com
6	jay odedra	jay@example.com
7	keval savaliya	keval@example.com
8	riya maru	riya@gmail.com
9	prakash parmar	parakash@example.com
10	raj baldha	raj@gmail.com

3. Fetch only inactive users

=> SELECT first_name, last_name, email, is_active FROM hc.users WHERE is_active = FALSE;

	first_name character varying (50) 🔒	last_name character varying (50) 🔒	email character varying (50) 🔒	is_active boolean 🔒
1	ankit	parmar	ankit@gmail.com	false
2	prakash	parmar	parakash@example.com	false

4. Users whose first_name starts with 'A' and last_name ends with'i'

=> SELECT first_name, last_name, email FROM hc.users WHERE first_name LIKE 'A%' AND last_name LIKE '%i';

	first_name character varying (50) 🔒	last_name character varying (50) 🔒	email character varying (50) 🔒
1	Aarsi	ukani	aarsi@gmail.com
2	Akash	virani	akash@gmail.com

5. Users whose email contains '@example

=> SELECT first_name, last_name, email FROM hc.users WHERE email LIKE '%@example%';

	first_name character varying (50) 🔒	last_name character varying (50) 🔒	email character varying (50) 🔒
1	jay	odedra	jay@example.com
2	keval	savaliya	keval@example.com
3	prakash	parmar	parakash@example.com

6.Case-insensitive search for first_name starting with 'A'

=> SELECT first_name, last_name FROM hc.users WHERE first_name ILIKE 'A %';

	first_name character varying (50) 🔒	last_name character varying (50) 🔒
1	Aarsi	ukani
2	ankit	parmar
3	Akash	virani

7.Users ordered by created_date (descending)

=> SELECT first_name, last_name, created_date FROM hc.users ORDER BY created_date DESC;

	first_name character varying (50) 🔒	last_name character varying (50) 🔒	created_date timestamp without time zone 🔒
1	raj	baldha	2026-01-13 01:02:02.827426
2	parth	savaliya	2026-01-13 01:02:02.827426
3	Aarsi	ukani	2026-01-13 01:02:02.827426
4	ankit	parmar	2026-01-13 01:02:02.827426
5	Akash	virani	2026-01-13 01:02:02.827426
6	jay	odedra	2026-01-13 01:02:02.827426
7	keval	savaliya	2026-01-13 01:02:02.827426
8	riya	maru	2026-01-13 01:02:02.827426
9	prakash	parmar	2026-01-13 01:02:02.827426
10	Bhargav	Maru	2026-01-13 00:47:16.20526

8.Top 5 latest created users

=>SELECT first_name, last_name, created_date FROM hc.users ORDER BY created_date DESC LIMIT 5;

	first_name character varying (50) 🔒	last_name character varying (50) 🔒	created_date timestamp without time zone 🔒
1	raj	baldha	2026-01-13 01:02:02.827426
2	parth	savaliya	2026-01-13 01:02:02.827426
3	Aarsi	ukani	2026-01-13 01:02:02.827426
4	ankit	parmar	2026-01-13 01:02:02.827426
5	Akash	virani	2026-01-13 01:02:02.827426

9. Second page of results (5 records per page)

=>SELECT first_name, last_name, email, created_date FROM hc.users LIMIT 5 OFFSET 5;

	first_name character varying (50) 🔒	last_name character varying (50) 🔒	email character varying (50) 🔒	created_date timestamp without time zone 🔒
1	jay	odedra	jay@example.com	2026-01-13 01:02:02.827426
2	keval	savaliya	keval@example.com	2026-01-13 01:02:02.827426
3	riya	maru	riya@gmail.com	2026-01-13 01:02:02.827426
4	prakash	parmar	parakash@example.com	2026-01-13 01:02:02.827426
5	raj	baldha	raj@gmail.com	2026-01-13 01:02:02.827426

Assignment-1