TASK-2
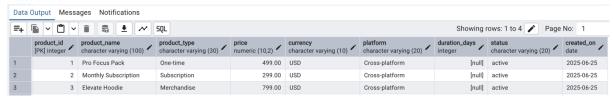
Name- Apurba Adhikari
Date- 25/06/2025

Description-
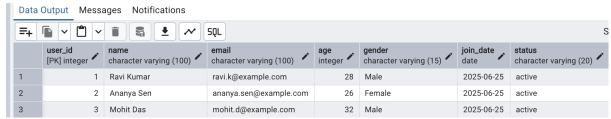   1. Use INSERT INTO for adding rows
    2. Handle missing values using NULL or default
    3. Use UPDATE and DELETE with WHERE conditions
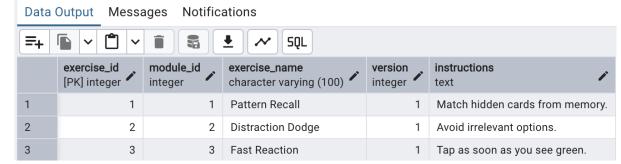
1.   INSERT Results:

Products Table-

	product_id [PK] integer	product_name character varying (100)	product_type character varying (30)	price numeric (10,2)	currency character varying (10)	platform character varying (20)	duration_days integer	status character varying (20)	created_on date
1	1	Pro Focus Pack	One-time	499.00	USD	Cross-platform	[null]	active	2025-06-25
2	2	Monthly Subscription	Subscription	299.00	USD	Cross-platform	[null]	active	2025-06-25
3	3	Elevate Hoodie	Merchandise	799.00	USD	Cross-platform	[null]	active	2025-06-25

Users Table-

	user_id [PK] integer	name character varying (100)	email character varying (100)	age integer	gender character varying (15)	join_date date	status character varying (20)
1	1	Ravi Kumar	ravi.k@example.com	28	Male	2025-06-25	active
2	2	Ananya Sen	ananya.sen@example.com	26	Female	2025-06-25	active
3	3	Mohit Das	mohit.d@example.com	32	Male	2025-06-25	active

Logs Table-

	log_id [PK] integer	user_id integer	mood_level integer	note text	log_date date
1	1	1	7	Feeling okay.	2025-06-25
2	2	2	9	Great day!	2025-06-25
3	3	3	4	Stressful work.	2025-06-25

Total rows: 3   Query complete 00:00:00.090   LF   Ln 20, Col 1

Exercises Table-

	exercise_id [PK] integer	module_id integer	exercise_name character varying (100)	version integer	instructions text
1	1	1	Pattern Recall	1	Match hidden cards from memory.
2	2	2	Distraction Dodge	1	Avoid irrelevant options.
3	3	3	Fast Reaction	1	Tap as soon as you see green.

2. NULL and DEFAULT Value:

Users table, age and gender is filled as NULL when no value is insurted.

	user_id [PK] integer	name character varying (100)	email character varying (100)	age integer	gender character varying (15)	join_date date	status character varying (20)
1	1	Ravi Kumar	ravi.k@example.com	28	Male	2025-06-25	active
2	2	Ananya Sen	ananya.sen@example.com	26	Female	2025-06-25	active
3	3	Mohit Das	mohit.d@example.com	32	Male	2025-06-25	active
4	4	Priya Sharma	priya.s@example.com	[null]	[null]	2025-06-25	active

Total rows: 4   Query complete 00:00:00.080

In Exercises table, when no value is inserted for Version DEFAULT value 1 has been filled

	exercise_id [PK] integer	module_id integer	exercise_name character varying (100)	version integer	instructions text
1	1	1	Pattern Recall	1	Match hidden cards from memory.
2	2	2	Distraction Dodge	1	Avoid irrelevant options.
3	3	3	Fast Reaction	1	Tap as soon as you see green.
4	4	1	Speed Match	1	Match fast-moving symbols.

Total rows: 4   Query complete 00:00:00.092

In Product table, when no value is inserted for Currency, Platform, Status DEFAULT values has been filled. For Created_on DEFAULT value of todays date is inserted, and NULL values are filled for duration_days.

	product_id [PK] integer	product_name character varying (100)	product_type character varying (30)	price numeric (10,2)	currency character varying (10)	platform character varying (20)	duration_days integer	status character varying (20)	created_on date
1	1	Pro Focus Pack	One-time	499.00	USD	Cross-platform	[null]	active	2025-06-25
2	2	Monthly Subscription	Subscription	299.00	USD	Cross-platform	[null]	active	2025-06-25
3	3	Elevate Hoodie	Merchandise	799.00	USD	Cross-platform	[null]	active	2025-06-25
4	4	Focus Booster Pack	One-time	399.00	USD	Cross-platform	[null]	active	2025-06-25

✓ Successfully run. Total query runtime: 88 msec. 4 rows affected. ✕

Total rows: 4   Query complete 00:00:00.088

3.   UPDATE and DELETE Queries.

Products table Proce for Focus Booster Pack is updated.

Showing rows: 1 to 4   Page No: 1   of 1

	product_id [PK] integer	product_name character varying (100)	product_type character varying (30)	price numeric (10,2)	currency character varying (10)	platform character varying (20)	duration_days integer	status character varying (20)	created_on date
1	1	Pro Focus Pack	One-time	499.00	USD	Cross-platform	[null]	active	2025-06-25
2	2	Monthly Subscription	Subscription	299.00	USD	Cross-platform	[null]	active	2025-06-25
3	3	Elevate Hoodie	Merchandise	799.00	USD	Cross-platform	[null]	active	2025-06-25
4	4	Focus Booster Pack	One-time	299.00	USD	Cross-platform	[null]	active	2025-06-25

Total rows: 4   Query complete 00:00:00.087   LF   Ln 18, Col 1

In users table status from Priya Sharma is Updated to Banned.

Showing rows: 1 to 4   Page No: 1   of 1

	user_id [PK] integer	name character varying (100)	email character varying (100)	age integer	gender character varying (15)	join_date date	status character varying (20)
1	1	Ravi Kumar	ravi.k@example.com	28	Male	2025-06-25	active
2	2	Ananya Sen	ananya.sen@example.com	26	Female	2025-06-25	active
3	3	Mohit Das	mohit.d@example.com	32	Male	2025-06-25	active
4	4	Priya Sharma	priya.s@example.com	[null]	[null]	2025-06-25	banned

Total rows: 4   Query complete 00:00:00.096   LF   Ln 17, Col 1

A row in the Users table is deleted

Showing rows: 1 to 3   Page No: 1   of 1

	user_id [PK] integer	name character varying (100)	email character varying (100)	age integer	gender character varying (15)	join_date date	status character varying (20)
1	1	Ravi Kumar	ravi.k@example.com	28	Male	2025-06-25	active
2	2	Ananya Sen	ananya.sen@example.com	26	Female	2025-06-25	active
3	3	Mohit Das	mohit.d@example.com	32	Male	2025-06-25	active

Total rows: 3   Query complete 00:00:00.091   LF   Ln 8, Col 51