LAB-9B

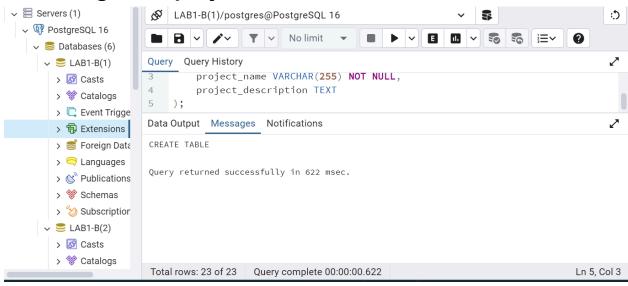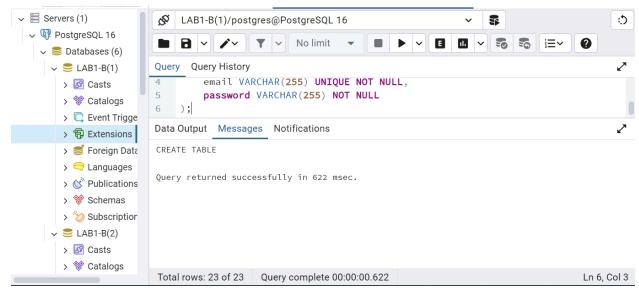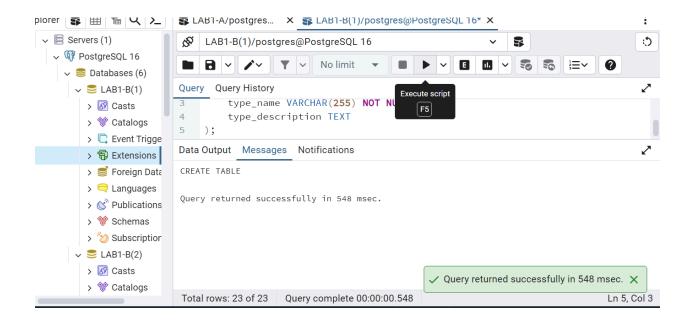## 1.creating table project

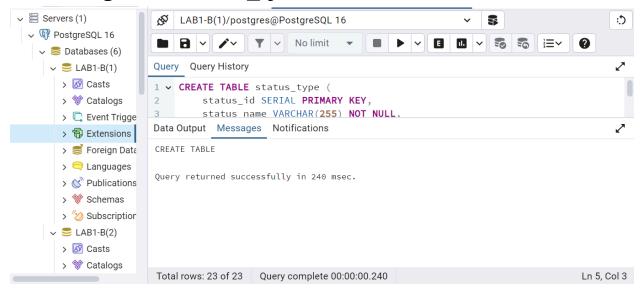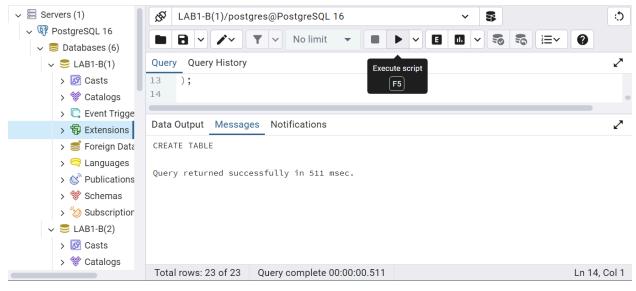## 2.creating table users

3. Creating table task_type

4.creating table status_tye


```
1  CREATE TABLE status_type (
2      status_id SERIAL PRIMARY KEY,
3      status_name VARCHAR(255) NOT NULL,
```

CREATE TABLE

Query returned successfully in 240 msec.

Total rows: 23 of 23   Query complete 00:00:00.240   Ln 5, Col 3

5.creating table task

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No limit

Execute script
F5

Query   Query History

```
13      );
14
```

Data Output   Messages   Notifications

CREATE TABLE

Query returned successfully in 511 msec.

Total rows: 23 of 23   Query complete 00:00:00.511   Ln 14, Col 1

6.inserting into project

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No limit

Query   Query History

```
2       ('Project A', 'Description for Project A'),
3       ('Project B', 'Description for Project B');
4
```

Data Output   Messages   Notifications

INSERT 0 2

Query returned successfully in 247 msec.

Total rows: 23 of 23   Query complete 00:00:00.247   Ln 4, Col 1

7.inserting into user table

In the first screenshot, the query editor shows:

```
2   ('Project A', 'Description for Project A'),
3   ('Project B', 'Description for Project B');
4   select *from project;
```

Data Output table:

project_id [PK] integer	project_name character varying (255)	project_description text
1	1	Project A	Description for Project A
2	2	Project B	Description for Project B
3	3	Project A	Description for Project A
4	4	Project B	Description for Project B

Total rows: 4 of 4   Query complete 00:00:00.262   Ln 4, Col 22

In the second screenshot, the query editor shows:

```
14  ('Alice', 'alice@example.com', '          3'),
15  ('Bob', 'bob@example.com', 'pass          );
16
```

Execute script [F5]

Messages:

```
NOTICE:  table "users" does not exist, skipping
INSERT 0 2

Query returned successfully in 412 msec.
```

Total rows: 4 of 4   Query complete 00:00:00.412   Ln 16, Col 1

Query

user_id [PK] integer	name character varying (255)	email character varying (255)	password character varying (255)
1	1 Alice	alice@example.com	password123
2	2 Bob	bob@example.com	password456

```
14    ('Alice', 'alice@example.com', 'password123'),
15    ('Bob', 'bob@example.com', 'password456');
16    select *from users;
```

Total rows: 2 of 2   Query complete 00:00:00.518   Ln 16, Col 19

8..inserting into task_type table


```
2 ⌄ INSERT INTO task_type (type_name, type_description) VALUES
3    ('Bug', 'A bug task type'),
4    ('Feature', 'A feature task type');
```

Data Output   Messages

```
INSERT 0 2

Query returned successfully in 669 msec.
```

Total rows: 2 of 2   Query complete 00:00:00.669   Ln 4, Col 36

9.inserting into status_type table

Query Query History Notifications

```
2 ∨  INSERT INTO status_type (status_name, status_description) VALUES
3    ('Open', 'Task is open'),
4    ('In Progress', 'Task is in progress'),
5    ('Closed', 'Task is closed');
6    select *from status_type;
```

Data Output Messages

	status_id [PK] integer	status_name character varying (255)	status_description text
1	1	Open	Task is open
2	2	In Progress	Task is in progress
3	3	Closed	Task is closed

Total rows: 6 of 6   Query complete 00:00:00.386   Ln 6, Col 26

10. inserting into task table

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No limit

Query Query History Notifications

Execute script
F5

```
2    'Description for Task 1', '2024-          'High', TRUE, 'No comments'),
3    'Description for Task 2', '2024-00 15 , 2, 'Medium', FALSE, 'No comments');
```

Data Output Messages

```
INSERT 0 2

Query returned successfully in 119 msec.
```

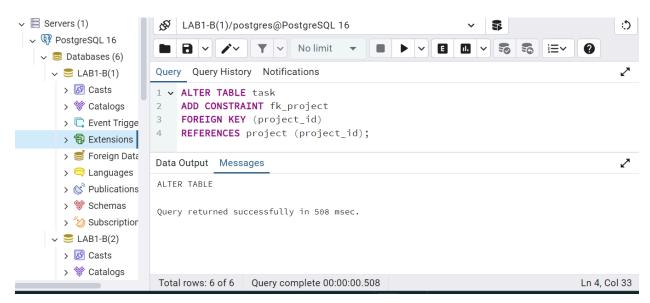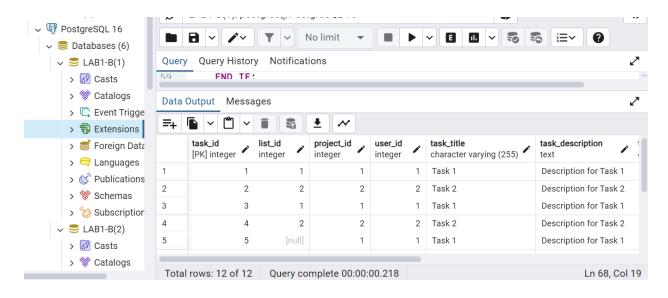Total rows: 4 of 4   Query complete 00:00:00.119   Ln 3, Col 96

11.ALTER TABLE task
ADD CONSTRAINT fk_project
FOREIGN KEY (project_id)
REFERENCES project (project_id);

12.Select *from task

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Query   Query History   Notifications

Query
59   END IF:

Data Output   Messages

	task_id [PK] integer	list_id integer	project_id integer	user_id integer	task_title character varying (255)	task_description text
1	1	1	1	1	Task 1	Description for Task 1
2	2	2	2	2	Task 2	Description for Task 2
3	3	1	1	1	Task 1	Description for Task 1
4	4	2	2	2	Task 2	Description for Task 2
5	5	[null]	1	1	Task 1	Description for Task 1

Total rows: 12 of 12   Query complete 00:00:00.218   Ln 68, Col 19
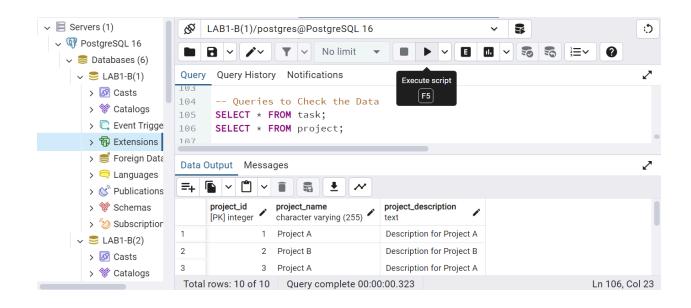
13.ALTER TABLE task
ADD CONSTRAINT fk_user
FOREIGN KEY (user_id)
REFERENCES users (user_id);

Servers (1)
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Query   Query History   Notifications

Data Output   Messages

```
NOTICE:  relation "project" already exists, skipping
NOTICE:  relation "users" already exists, skipping
NOTICE:  relation "task_type" already exists, skipping
NOTICE:  relation "status_type" already exists, skipping
NOTICE:  relation "task" already exists, skipping
DO


Query returned successfully in 736 msec.
```

Total rows: 2 of 2   Query complete 00:00:00.736   Ln 5, Col 29

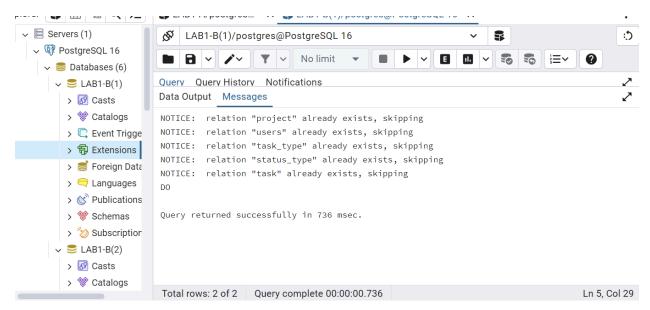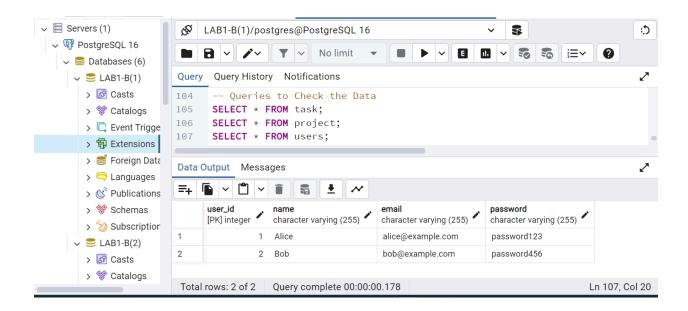## 14.Select *from project

15. ALTER TABLE task
ADD CONSTRAINT fk_task_status
FOREIGN KEY (task_status)
REFERENCES status_type (status_id);

16. Select *from users

17.ER -diagrams

project (public)
- project_id serial
- project_name character varying(255)
- project_description text

status_type (public)
- status_id serial
- status_name character varying(255)
- status_description text

task_type (public)
- type_id serial
- type_name character varying(255)
- type_description text

users (public)
- user_id serial
- name character varying(255)
- email character varying(255)
- password character varying(255)

task (public)
- task_id serial
- project_id integer
- user_id integer
- task_title character varying(255)
- task_description text
- task_due_date date
- task_status integer
- task_priority character varying(6)
- task_recurring boolean
- comment text