

Dikshita-06

Yash-15

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Title: Implementation of Concurrency Control Protocols

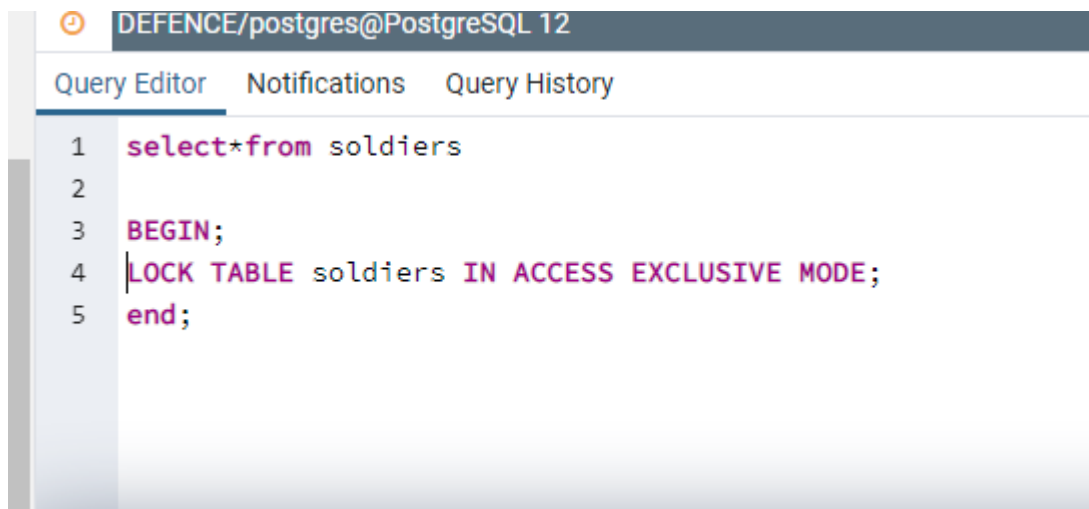
Query (ACCESS EXCLUSIVE MODE):

```
select*from soldiers
```

```
BEGIN;
```

```
LOCK TABLE soldiers IN ACCESS EXCLUSIVE MODE;
```

```
end;
```

A screenshot of a PostgreSQL Query Editor window. The title bar shows 'DEFENCE/postgres@PostgreSQL 12'. Below the title bar are three tabs: 'Query Editor' (selected), 'Notifications', and 'Query History'. The main area displays a SQL query with line numbers 1 through 5 on the left. The query is: 1 select\*from soldiers, 2, 3 BEGIN;, 4 LOCK TABLE soldiers IN ACCESS EXCLUSIVE MODE;, 5 end;.

```
DEFENCE/postgres@PostgreSQL 12
Query Editor  Notifications  Query History
1 select*from soldiers
2
3 BEGIN;
4 LOCK TABLE soldiers IN ACCESS EXCLUSIVE MODE;
5 end;
```

Output:

Data Output	Messages	Explain
LOCK TABLE		
Query returned successfully in 83 msec.		

Query (IN ACCESS share MODE) :

select\*from soldiers

BEGIN;

LOCK TABLE soldiers IN ACCESS share MODE;

Query Editor	Notifications	Query History
1	select*from soldiers	
2		
3	BEGIN;	
4	LOCK TABLE soldiers IN ACCESS share MODE;	

Data Output	Messages	Explain
LOCK TABLE		
Query returned successfully in 93 msec.		