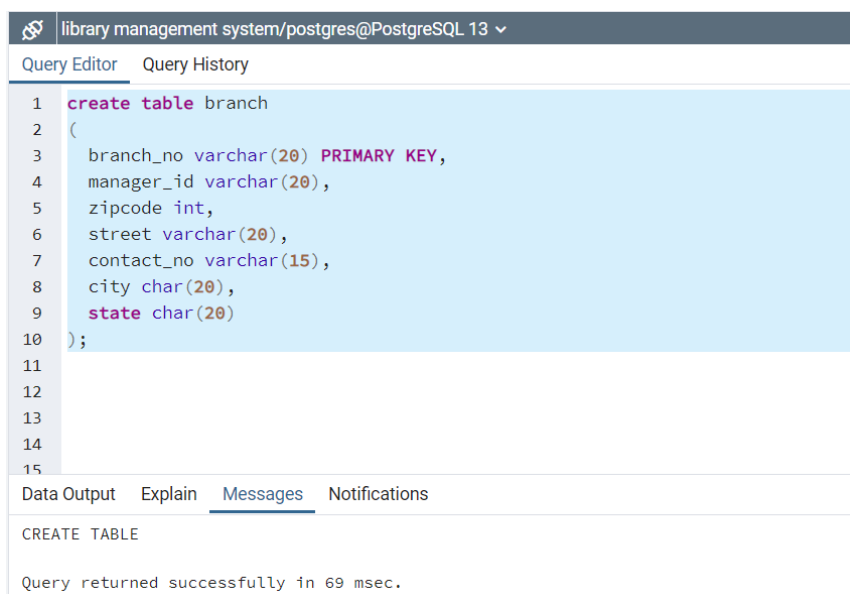# Experiment No.4

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SE CMPN A

DDL COMMANDS:

Execute 10 queries of DDL command –

1) Create table branch:

```
library management system/postgres@PostgreSQL 13 ˅
Query Editor    Query History
 1  create table branch
 2  (
 3    branch_no varchar(20) PRIMARY KEY,
 4    manager_id varchar(20),
 5    zipcode int,
 6    street varchar(20),
 7    contact_no varchar(15),
 8    city char(20),
 9    state char(20)
10  );
11
12
13
14
15
Data Output   Explain   Messages   Notifications
CREATE TABLE

Query returned successfully in 69 msec.
```

2) Create table books:

```
11  create table books
12  (
13      ISBN varchar(50) primary key ,
14      title varchar(50),
15      category varchar(50),
16      rental_price int,
17      author varchar(50),
18      publisher varchar(50),
19      status varchar(50)
20  );
21
22
23
24
25
```

Data Output Explain **Messages** Notifications

CREATE TABLE

Query returned successfully in 69 msec.

3) Create table member:


```
27
28  create table member
29  (
30      member_id varchar(20) PRIMARY KEY,
31      m_name varchar(20),
32      m_address varchar(20),
33      registration_date date,
34      book_issued_isbn varchar(50)
35  );
36
37
38
39
40
41
```

Data Output Explain **Messages** Notifications

CREATE TABLE

Query returned successfully in 85 msec.

4) Create table issue_status:

```
37
38  create table issue_status
39  (
40      issue_id varchar(20) primary key,
41      issued_member_id varchar(20),
42      ISBN_book1 varchar(20),
43      issue_date date,
44      issue_book_name varchar(50)
45  );
46
47
48
49
50
51
```

Data Output   Explain   Messages   Notifications

```
CREATE TABLE

Query returned successfully in 115 msec.
```

5) Create table return_status:

```
53  create table return_status
54  (
55      Return_id varchar(30) primary key,
56      return_date date,
57      return_book_name varchar(30),
58      ISBN_book2 varchar (20),
59      return_member_id varchar(20)
60  );
61
62
63
64
65
66
67
```

Data Output   Explain   Messages   Notifications

```
CREATE TABLE

Query returned successfully in 94 msec.
```

6) Create table employee:

```
61  create table employee
62  (
63      employee_id varchar(20) PRIMARY KEY,
64      E_name varchar(20),
65      salary int,
66      E_position varchar(20)
67  );
68
69
70
71
72
73
74
75
```

Data Output   Explain   Messages   Notifications

CREATE TABLE

Query returned successfully in 88 msec.

7) Drop column manager_id using alter table command:


```
69  ALTER TABLE branch
70  DROP COLUMN manager_id;
71
72  select * from branch;
73
74
75
76
77
78
79
80
81
82
83
```

Data Output   Explain   Messages   Notifications

branch_no [PK] character varying (20)	zipcode integer	street character varying (20)	contact_no character varying (15)	city character (20)	state character (20)

8) Add column manager_id using alter table command:

Query Editor   Query History

```
83
84  alter table branch
85  add column manager_id int;
86
87  select * from branch;
88
89
90
91
92
93
94
95
96
97
```

Data Output   Explain   Messages   Notifications

branch_no [PK] character varying (20)	zipcode integer	street character varying (20)	contact_no character varying (15)	city character (20)	state character (20)	manager_id integer

9) Alter table and drop primary key constraint from employee:

```
77
78  alter table employee
79  drop constraint employee_pkey;
80
81  select * from employee;
82
83
84
85
86
87
88
89
90
91
```

Data Output | Explain | Messages | Notifications

employee_id character varying (20)	e_name character varying (20)	salary integer	e_position character varying (20)

10) Alter table and add primary key constraint in employee:


```
84  alter table employee
85  add primary key (employee_id);
86
87  select * from employee;
88
89
90
91
92
93
94
95
96
97
98
```

Data Output | Explain | Messages | Notifications

employee_id [PK] character varying (20)	e_name character varying (20)	salary integer	e_position character varying (20)

11) Drop table member:

Query Editor   Query History

```
88
89   Drop table member;
90
91
92
93
94
95
96
97
98
99
100
101
102
```

Data Output   Explain   Messages   Notifications

```
DROP TABLE

Query returned successfully in 77 msec.
```

12) Truncate table member:

Query Editor   Query History

```
91
92   insert into member values('00001','mike','parel','11-aug-2019','00-11-11111');
93   insert into member values('00002','harvey','dadar','12-aug-2019','00-11-11123');
94   insert into member values('00003','ross','wadala','12-aug-2019','00-11-11154');
95
96   truncate table member;
97
98   select* from member;
99
100
101
102
103
104
105
```

Data Output   Explain   Messages   Notifications

member_id [PK] character varying (20)	m_name character varying (20)	m_address character varying (20)	registration_date date	book_issued_isbn character varying (50)