Experiment No. 3

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SE CMPN A

DML Commands:

Insert values in tables:

1) Branch:

2) Books:

Query Editor   Query History

```
15   insert into books values('99921-58-10-7','programming concept','programming',500,'r.d.varma','springer','issued');
16   insert into books values('9971-5-0210-0','Harry potter','novel',700,'j.k.rawling','sst','not-issued');
17   insert into books values('960-425-059-0','Data structure','programming',600,'c.p.sharma','Ginny','issued');
18   insert into books values('80-902734-1-6','alibaba and chalis chor','novel',800,'ravi sharma','alibaba','issued');
19   insert into books values('85-359-0277-5','A million thoughts','inspirational',400,'om swami','ram','issued');
20   insert into books values('1-84356-028-3','learn startup','business',750,'eric rice','danial','issued');
21   insert into books values('0-684-84328-5','Rich dad poor dad','business',460,'robert kiyosaki','robert','issued');
22   insert into books values('0-943396-04-2','last summer','novel',700,'dennis ross','sigma','not-issued');
23   insert into books values('12-54565-12-5','into the dark','novel',450,'david ross','danial','returned');
24   insert into books values('45-24456-5-02','algorithm design','programming',1000,'steven.s.skienia','springer','returned');
25   insert into books values('23-4-78855-45','history of cold war','history',1200,'diana prince','gim','returned');
26   insert into books values('56-5-65656-20','you too can','inspiration',630,'julia zane','cradle','returned');
27   select * from books;
28
```

Data Output   Explain   Messages   Notifications

	isbn [PK] character varying (50)	title character varying (50)	category character varying (50)	rental_price integer	author character varying (50)	publisher character varying (50)	status character
1	99921-58-10-7	programming concept	programming	500	r.d.varma	springer	issued
2	9971-5-0210-0	Harry potter	novel	700	j.k.rawling	sst	not-issu
3	960-425-059-0	Data structure	programming	600	c.p.sharma	Ginny	issued
4	80-902734-1-6	alibaba and chalis chor	novel	800	ravi sharma	alibaba	issued
5	85-359-0277-5	A million thoughts	inspirational	400	om swami	ram	issued
6	1-84356-028-3	learn startup	business	750	eric rice	danial	issued

3) Member:

Query Editor   Query History

```
29   insert into member values('22532020','mike','mumbai','01-aug-2019','99921-58-10-7');
30   insert into member values('22533030','harvey','dharavi','11-aug-2019','0-684-84328-5');
31   insert into member values('23534014','jassica','mumbai','15-sep-2019','1-84356-028-3');
32   insert into member values('22534100','louis','navi-mumbai','24-sep-2019','85-359-0277-5');
33   insert into member values('22535000','zoe','vashi','30-sep-2019','80-902734-1-6');
34   insert into member values('22535100','donna','shivaji park','01-oct-2019','960-425-059-0');
35   select * from member;
36
37
38
39
40
41
42
```

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)
1	22532020	mike	mumbai	2019-08-01	99921-58-10-7
2	22533030	harvey	dharavi	2019-08-11	0-684-84328-5
3	23534014	jassica	mumbai	2019-09-15	1-84356-028-3
4	22534100	louis	navi-mumbai	2019-09-24	85-359-0277-5
5	22535000	zoe	vashi	2019-09-30	80-902734-1-6
6	22535100	donna	shivaji park	2019-10-01	960-425-059-0

4) Employee:

```
38  insert into employee values('0111','sanna','30000','manager');
39  insert into employee values('0120','sameer','15000','clerk');
40  insert into employee values('0131','tanmay','30000','manager');
41  insert into employee values('0112','abhishek','15000','clerk');
42  insert into employee values('0154','rajesh','15000','clerk');
43  insert into employee values('0181','amar','15000','clerk');
44  select * from employee;
45
46
47
48
49
50
51
```

Data Output   Explain   Messages   Notifications

	employee_id [PK] character varying (20)	e_name character varying (20)	salary integer	e_position character varying (20)
1	0111	sanna	30000	manager
2	0120	sameer	15000	clerk
3	0131	tanmay	30000	manager
4	0112	abhishek	15000	clerk
5	0154	rajesh	15000	clerk
6	0181	amar	15000	clerk

5) Issue_status:

```
48  insert into issue_status values('7878','22532020','99921-58-10-7','12-nov-2020','programming concepts');
49  insert into issue_status values('8787','22533030','0-684-84328-5','01-dec-2020','rich dad poor dad');
50  insert into issue_status values('8864','23534014','1-84356-028-3','13-dec-2020','learn startup');
51  insert into issue_status values('8978','22534100','85-359-0277-5','15-dec-2020','a million thoughts');
52  insert into issue_status values('9078','22535000','80-902734-1-6','12-jan-2021','alibaba and chalis chor');
53  insert into issue_status values('9099','22535100','960-425-059-0','14-jan-2021','data structure');
54  select * from issue_status;
55
56
57
58
59
60
61
```

Data Output   Explain   Messages   Notifications

	issue_id [PK] character varying (20)	issued_member_id character varying (20)	isbn_book1 character varying (20)	issue_date date	issue_book_name character varying (50)
1	7878	22532020	99921-58-10-7	2020-11-12	programming concepts
2	8787	22533030	0-684-84328-5	2020-12-01	rich dad poor dad
3	8864	23534014	1-84356-028-3	2020-12-13	learn startup
4	8978	22534100	85-359-0277-5	2020-12-15	a million thoughts
5	9078	22535000	80-902734-1-6	2021-01-12	alibaba and chalis chor
6	9099	22535100	960-425-059-0	2021-01-14	data structure

6) Return_status:

Query Editor   Query History

```
57  insert into return_status values('10778','13-dec-2020','into the dark','12-54565-12-5','23534014');
58  insert into return_status values('10877','15-dec-2020','algorithm design','45-24456-5-02','22534100');
59  insert into return_status values('10900','12-jan-2021','history of cold war','23-4-78855-45','22535000');
60  insert into return_status values('10950','14-dec-2021','you too can','56-5-65656-20','22535100');
61  select * from return_status;
62
63
64
65
66
67
68
69
70
```

Data Output   Explain   Messages   Notifications

	return_id [PK] character varying (30)	return_date date	return_book_name character varying (30)	isbn_book2 character varying (20)	return_member_id character varying (20)
1	10778	2020-12-13	into the dark	12-54565-12-5	23534014
2	10877	2020-12-15	algorithm design	45-24456-5-02	22534100
3	10900	2021-01-12	history of cold war	23-4-78855-45	22535000
4	10950	2021-12-14	you too can	56-5-65656-20	22535100

Execute 10 Queries that includes DML Commands: -

7) Show ISBN number, title, rental_price of issued books from books table:

Query Editor   Query History

```sql
1   select isbn, title,rental_price from books where status='issued';
```

Data Output   Explain   Messages   Notifications

	isbn [PK] character varying (50)	title character varying (50)	rental_price integer
1	99921-58-10-7	programming concept	500
2	960-425-059-0	Data structure	600
3	80-902734-1-6	alibaba and chalis chor	800
4	85-359-0277-5	A million thoughts	400
5	1-84356-028-3	learn startup	750
6	0-684-84328-5	Rich dad poor dad	460

8) Update name of city of branch number 4444 from branch table:

Query Editor   Query History

```sql
1   select isbn, title,rental_price from books where status='issued';
2
3   update branch set city='mumbai' where branch_no='4444';
4
5   select * from branch;
```

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
4	5555	400444	gulmohar road	9861253695	panvel	maharashtra	505050
5	6666	400050	sambhaji road	9164793255	kurla	maharashtra	606060
6	7777	400065	ttp road	9897133245	smbhaji nagar	maharashtra	707070
7	8888	400078	khar road	9136953245	shivaji park	maharashtra	808080
8	9999	400021	G.D.Ambekar road	9827535441	khandeshwar	maharashtra	909090
9	1000	400014	parel tank road	9865123645	bandra	maharashtra	111111
10	4444	400030	sdd road	9663751445	mumbai	maharashtra	404040

9) Delete record from branch of branch number 1000 and 9999:

```
1   select isbn, title,rental_price from books where status='issued';
2
3   update branch set city='mumbai' where branch_no='4444';
4
5   select * from branch;
6
7   delete from branch where branch_no='1000';
8   delete from branch where branch_no='9999';
9
10  select * from branch;
```

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
1 1111	400001	sunshine	9865753245	mumbai	maharashtra	101010
2 2222	400010	ray road	9165753215	vashi	maharashtra	202020
3 3333	400020	chardham road	8865763241	dharavi	maharashtra	303030
4 5555	400444	gulmohar road	9861253695	panvel	maharashtra	505050
5 6666	400050	sambhaji road	9164793255	kurla	maharashtra	606060
6 7777	400065	ttp road	9897133245	smbhaji nagar	maharashtra	707070
7 8888	400078	khar road	9136953245	shivaji park	maharashtra	808080
8 4444	400030	sdd road	9663751445	mumbai	maharashtra	404040

10) show issue_id and isbn_book2 of book 'a million thoughts' from issue_status:

```
1   select isbn, title,rental_price from books where status='issued';
2
3   update branch set city='mumbai' where branch_no='4444';
4
5   select * from branch;
6
7   delete from branch where branch_no='1000';
8   delete from branch where branch_no='9999';
9
10  select * from branch;
11
12  select issue_id,isbn_book1 from issue_status where issue_book_name='a million thoughts';
```

Data Output   Explain   Messages   Notifications

issue_id [PK] character varying (20)	isbn_book1 character varying (20)
1 8978	85-359-0277-5

11) Show employee name and id whose position in clerk from employee

table:

```
2
3    update branch set city='mumbai' where branch_no='4444';
4
5    select * from branch;
6
7    delete from branch where branch_no='1000';
8    delete from branch where branch_no='9999';
9
10   select * from branch;
11
12   select issue_id,isbn_book1 from issue_status where issue_book_name='a million thoughts';
13
14   select employee_id, e_name from employee where e_position='clerk';
```

Data Output   Explain   Messages   Notifications

	employee_id [PK] character varying (20)	e_name character varying (20)
1	0120	sameer
2	0112	abhishek
3	0154	rajesh
4	0181	amar

12) Show ISBN, title, category, author whose price is less than 500 in books:

```
4
5    select * from branch;
6
7    delete from branch where branch_no='1000';
8    delete from branch where branch_no='9999';
9
10   select * from branch;
11
12   select issue_id,isbn_book1 from issue_status where issue_book_name='a million thoughts';
13
14   select employee_id, e_name from employee where e_position='clerk';
15
16   select isbn, title, category, author from books where rental_price<=500;
```

Data Output   Explain   Messages   Notifications

	isbn [PK] character varying (50)	title character varying (50)	category character varying (50)	author character varying (50)
1	99921-58-10-7	programming concept	programming	r.d.varma
2	85-359-0277-5	A million thoughts	inspirational	om swami
3	0-684-84328-5	Rich dad poor dad	business	robert kiyosaki
4	12-54565-12-5	into the dark	novel	david ross

13) Show issue_id and book name whose date is after 13-12-2020:

Query Editor   Query History

```
 6
 7   delete from branch where branch_no='1000';
 8   delete from branch where branch_no='9999';
 9
10   select * from branch;
11
12   select issue_id,isbn_book1 from issue_status where issue_book_name='a million thoughts';
13
14   select employee_id, e_name from employee where e_position='clerk';
15
16   select isbn, title, category, author from books where rental_price<=500;
17
18   select issue_id, issue_book_name from issue_status where issue_date>='2020-12-13';
```

Data Output   Explain   Messages   Notifications

	issue_id [PK] character varying (20)	issue_book_name character varying (50)
1	8864	learn startup
2	8978	a million thoughts
3	9078	alibaba and chalis chor
4	9099	data structure

14) Update return date to 20-02-2021 where return_book_name is 'you too can' in return_status:

Query Editor   Query History

```
 9
10   select * from branch;
11
12   select issue_id,isbn_book1 from issue_status where issue_book_name='a million thoughts';
13
14   select employee_id, e_name from employee where e_position='clerk';
15
16   select isbn, title, category, author from books where rental_price<=500;
17
18   select issue_id, issue_book_name from issue_status where issue_date>='2020-12-13';
19
20   update return_status set return_date='20-02-2020' where return_book_name='you too can';
21   select * from return_status;
```

Data Output   Explain   Messages   Notifications

	return_id [PK] character varying (30)	return_date date	return_book_name character varying (30)	isbn_book2 character varying (20)	return_member_id character varying (20)
1	10778	2020-12-13	into the dark	12-54565-12-5	23534014
2	10877	2020-12-15	algorithm design	45-24456-5-02	22534100
3	10900	2021-01-12	history of cold war	23-4-78855-45	22535000
4	10950	2020-02-20	you too can	56-5-65656-20	22535100

15) Update city to Mumbai whose branch number is 8888 in branch table:

```
12   select issue_id,isbn_book1 from issue_status where issue_book_name='a million thoughts';
13
14   select employee_id, e_name from employee where e_position='clerk';
15
16   select isbn, title, category, author from books where rental_price<=500;
17
18   select issue_id, issue_book_name from issue_status where issue_date>='2020-12-13';
19
20   update return_status set return_date='20-02-2020' where return_book_name='you too can';
21   select * from return_status;
22
23   update branch set city='mumbai' where branch_no='8888';
24   select * from branch;
```

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
1	1111	400001	sunshine	9865753245	mumbai	maharashtra	101010
2	2222	400010	ray road	9165753215	vashi	maharashtra	202020
3	3333	400020	chardham road	8865763241	dharavi	maharashtra	303030
4	5555	400444	gulmohar road	9861253695	panvel	maharashtra	505050
5	6666	400050	sambhaji road	9164793255	kurla	maharashtra	606060
6	7777	400065	ttp road	9897133245	smbhaji nagar	maharashtra	707070
7	4444	400030	sdd road	9663751445	mumbai	maharashtra	404040
8	8888	400078	khar road	9136953245	mumbai	maharashtra	808080

16) Show branch number, zip code, street whose city is Mumbai:

```
14   select employee_id, e_name from employee where e_position='clerk';
15
16   select isbn, title, category, author from books where rental_price<=500;
17
18   select issue_id, issue_book_name from issue_status where issue_date>='2020-12-13';
19
20   update return_status set return_date='20-02-2020' where return_book_name='you too can';
21   select * from return_status;
22
23   update branch set city='mumbai' where branch_no='8888';
24   select * from branch;
25
26   select branch_no, zipcode, street, contact_no from branch where city='mumbai';
```

Data Output   Explain   Messages   Notifications

	branch_no [PK] character varying (20)	zipcode integer	street character varying (20)	contact_no character varying (15)	
1	1111	400001	sunshine	9865753245	
2	4444	400030	sdd road	9663751445	
3	8888	400078	khar road	9136953245	