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BRANCH :- Comps -B. **BATCH: B.**

EXPERIMENT 2: To create a database and populate using SQL commands (With Constraint)

- Data Definition Language- Create, Alter, Drop, Rename.
- Data Manipulation Language- Insert, Update, Delete, Select.
- Constraints-Not Null, Unique Key, Primary Key, Foreign Key, Check, Dropping a Constraint.

SUBJECT :- DBMS (DATABASE MANAGEMENT SYSTEM)

TABLE NO.1: NGO-

create database elderlycare;

use elderlycare;

create table ngo(id int primary key, location varchar(20), noof_workers int, care_fund varchar(100), contribution varchar(100)

);

insert into ngo(id, location, noof_workers, care_fund, contribution) values (1, 'Mahad', '20', 100000, 'Healthcare'),

(2, 'Mumbai', '15', 1000000, 'Justice'),

(3, 'Pune', '30', 50000, 'Provide Meal'),

(4, 'Delhi', '10', 100000, 'Non-Maleficence'),

(5, 'Andheri', '10', 150000, 'Healthcare'),

(6, 'Thane', '8', 200000, 'Provide Meal'),

(7, 'Mumbai', '30', 380000, 'Healthcare'),

(8, 'Ayodhya', '40', 128000, 'Justice'),

(9, 'Pune', '20', 500000, 'Healthcare'),

(10, 'Gurugram', '30', 1000000, 'Provide Meal');

select * from ngo;

alter table ngo rename to ngos;

describe ngos;

alter table ngos modify contribution varchar(20);

describe ngos;

alter table ngos change column noof_workers no_of_workers int(11);

describe ngos;

alter table ngos add contact varchar(255);

describe ngos;

insert into ngos(id, location, no_of_workers, care_fund, contribution)

values (11, 'Kalyan', '7', 40000, 'Provide Meal');

select * from ngos;

select * from ngos where contribution='Provide Meal';

select * from ngos where care_fund between 100000 and 500000;

update ngos set location='Vrindavan', contribution='Non-Maleficence' where id=7;

select * from ngos;

delete from ngos where id=11;

select * from ngos;

select count(location) from ngos;

select max(care_fund) from ngos;

select min(care_fund) from ngos;

- View Table:**

Query 1

```

12 (7, 'Mumbai', '30', 380000, 'Healthcare'),
13 (8, 'Ayodhya', '40', 128000, 'Justice'),
14 (9, 'Pune', '20', 500000, 'Healthcare'),
15 (10, 'Gurugram', '30', 1000000, 'Provide Meal');
16 • select * from ngo;

```

	id	location	noof_workers	care_fund	contribution
▶	1	Mahad	20	100000	Healthcare
	2	Mumbai	15	1000000	Justice
	3	Pune	30	50000	Provide Meal
	4	Delhi	10	100000	Non-Maleficence
	5	Andheri	10	150000	Healthcare
	6	Thane	8	200000	Provide Meal
	7	Mumbai	30	380000	Healthcare
	8	Ayodhya	40	128000	Justice
	9	Pune	20	500000	Healthcare
	10	Gurugram	30	1000000	Provide Meal
•	NULL	NULL	NULL	NULL	NULL

- Rename Table name:**

alter table ngo rename to ngos;
describe ngos;

SCHEMAS

Filter objects

- elderlycare
 - Tables
 - ngos
 - Views
 - Stored Procedures
 - Functions
- event_db
- lopedialies
- phpmyadmin
- staff_db
- test

```

3 • create table ngo(
4     id int primary key, location varchar(20), noof_workers int, c
5 );
6 • insert into ngo(id, location, noof_workers, care_fund, contributi
7 (2, 'Mumbai', '15', 1000000, 'Justice'),
8 (3, 'Pune', '30', 50000, 'Provide Meal'),
9 (4, 'Delhi', '10', 100000, 'Non-Maleficence'),
10 (5, 'Andheri', '10', 150000, 'Healthcare'),
11 (6, 'Thane', '8', 200000, 'Provide Meal'),
12 (7, 'Mumbai', '30', 380000, 'Healthcare'),
13 (8, 'Ayodhya', '40', 128000, 'Justice'),
14 (9, 'Pune', '20', 500000, 'Healthcare'),
15 (10, 'Gurugram', '30', 1000000, 'Provide Meal');
16 • select * from ngo;
17
18 • alter table ngo rename to ngos;

```

- Modify data value:**

alter table ngos modify contribution varchar(20);
describe ngos;

```

18 • alter table ngo rename to ngos;
19 • alter table ngos modify care_fund int(20);
20 • describe ngos;

```

	Field	Type	Null	Key	Default	Extra
▶	id	int(11)	NO	PRI	NULL	
	location	varchar(20)	YES		NULL	
	noof_workers	int(11)	YES		NULL	
	care_fund	int(20)	YES		NULL	
	contribution	int(20)	YES		NULL	

- **Change column name:**

alter table ngos change column noof_workers no_of_workers int(11);
describe ngos;

The screenshot shows a database management tool interface. The top toolbar includes icons for file operations, search, and execution. Below the toolbar, a list of SQL commands is displayed:

```

15 (10, 'Gurugram', '30', 1000000, 'Provide Meal');
16 • select * from ngo;
17
18 • alter table ngo rename to ngos;
19 • alter table ngos modify care_fund int(20);
20 • describe ngos;
21
22 • alter table ngos change column noof_workers no_of_workers int(11);
23 • describe ngos;

```

Below the commands, a 'Result Grid' is shown with a table structure for the 'ngos' table:

Field	Type	Null	Key	Default	Extra
id	int(11)	NO	PRI		
location	varchar(20)	YES			
no_of_workers	int(11)	YES			
care_fund	int(20)	YES			
contribution	int(20)	YES			

- **Add New Column:**

alter table ngos add contact varchar(255);
describe ngos;

The screenshot shows the same database management tool interface. The SQL commands list is updated with the new command:

```

22 • describe ngos;
23
24 • alter table ngos change column noof_workers no_of_workers int(11);
25 • describe ngos;
26
27 • alter table ngos add contact varchar(255);
28 • describe ngos;
29

```

The 'Result Grid' now shows the updated table structure for 'ngos', including the new 'contact' column:

Field	Type	Null	Key	Default	Extra
id	int(11)	NO	PRI		
location	varchar(20)	YES			
no_of_workers	int(11)	YES			
care_fund	int(20)	YES			
contribution	int(20)	YES			
contact	varchar(255)	YES			

- Insert new values:**

insert into ngos(id, location, no_of_workers, care_fund, contribution) values (11, 'Kalyan', '4', 40000, 'Provide Meal');
select * from ngos;

```
ngo* x
Limit to 1000 rows
24 • alter table ngos change column noof_workers no_of_workers int(11);
25 • describe ngos;
26
27 • insert into ngos(id, location, no_of_workers, care_fund, contribution)
28   values (11, 'Kalyan', '7', 40000, 'Provide Meal');
29 • select * from ngos;
```

Result Grid	Filter Rows:	Edit:	Export/Import:	Wrap Cell Content:

- Select Where Command & Select Between Command:**

select * from ngos where contribution='Provide Meal';
select * from ngos where care_fund between 100000 and 500000;

```
26
27 • insert into ngos(id, location, no_of_workers, care_fund, contribution)
28   values (11, 'Kalyan', '7', 40000, 'Provide Meal');
29 • select * from ngos;
30
31 • select * from ngos where contribution='Provide Meal';
```

	id	location	no_of_workers	care_fund	contribution
3	Pune	30	50000	Provide Meal	
6	Thane	8	200000	Provide Meal	
10	Gurugram	30	1000000	Provide Meal	
11	Kalyan	7	40000	Provide Meal	
•	NULL	NULL	NULL	NULL	

```
ngo
Limit to 1000 rows

27 • insert into ngos(id, location, no_of_workers, care_fund, contribution)
28   values (11, 'Kalyan', '7', 40000, 'Provide Meal');
29 • select * from ngos;
30
31 • select * from ngos where contribution='Provide Meal';
32 • select * from ngos where care_fund between 100000 and 500000;
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: ☐

	id	location	no_of_workers	care_fund	contribution
▶	1	Mahad	20	100000	Healthcare
	4	Delhi	10	100000	Non-Maleficence
	5	Andheri	10	150000	Healthcare
	6	Thane	8	200000	Provide Meal
	7	Mumbai	30	380000	Healthcare
	8	Ayodhya	40	128000	Justice
	9	Pune	20	500000	Healthcare
*	NULL	NULL	NULL	NULL	NULL

- Update Values:**

update ngos set location='Vrindavan', contribution='Non-Maleficence' where id=7;
select * from ngos;

The screenshot shows a database query editor with the following SQL commands:

```

31 • select * from ngos where contribution='Provide Meal';
32 • select * from ngos where care_fund between 100000 and 500000;
33
34 • update ngos set location='Vrindavan', contribution='Non-Maleficence' where id=7;
35 • select * from ngos;

```

The result grid displays the following data:

id	location	no_of_workers	care_fund	contribution
1	Mahad	20	100000	Healthcare
2	Mumbai	15	1000000	Justice
3	Pune	30	50000	Provide Meal
4	Delhi	10	100000	Non-Maleficence
5	Andheri	10	150000	Healthcare
6	Thane	8	200000	Provide Meal
7	Vrindavan	30	380000	Non-Maleficence
8	Ayodhya	40	128000	Justice
9	Pune	20	500000	Healthcare
10	Gurugram	30	1000000	Provide Meal
11	Kalyan	7	40000	Provide Meal

- Delete row:**

delete from ngos where id=11;
select * from ngos;

The screenshot shows a database query editor with the following SQL commands:

```

33
34 • update ngos set location='Vrindavan', contribution='Non-Maleficence' where id=7;
35 • select * from ngos;
36
37 • delete from ngos where id=11;
38 • select * from ngos;

```

The result grid displays the following data:

id	location	no_of_workers	care_fund	contribution
1	Mahad	20	100000	Healthcare
2	Mumbai	15	1000000	Justice
3	Pune	30	50000	Provide Meal
4	Delhi	10	100000	Non-Maleficence
5	Andheri	10	150000	Healthcare
6	Thane	8	200000	Provide Meal
7	Vrindavan	30	380000	Non-Maleficence
8	Ayodhya	40	128000	Justice
9	Pune	20	500000	Healthcare
10	Gurugram	30	1000000	Provide Meal

- Count() function:**

select count(location) from ngos;

The screenshot shows a database query editor with the following SQL commands:

```

37 • delete from ngos where id=11;
38 • select * from ngos;
39
40 • select count(location) from ngos;

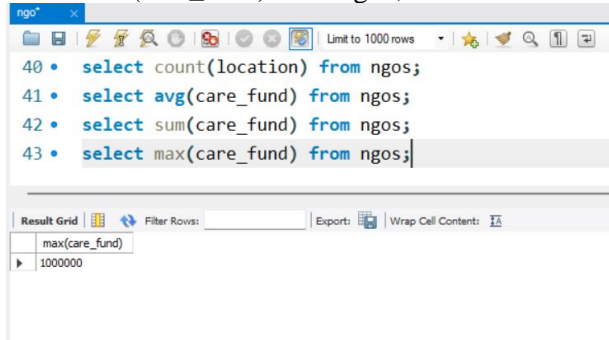
```

The result grid displays the following data:

count(location)
10

- **MAX() function:**

select max(care_fund) from ngos;



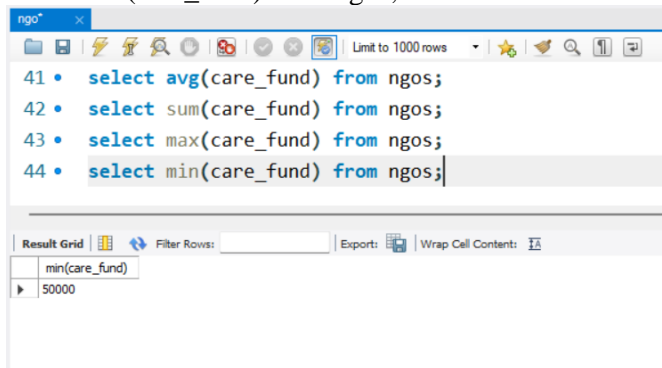
The screenshot shows a SQL query editor window titled 'ngos'. The query is: `select max(care_fund) from ngos;`. The result grid shows a single row with the value 1000000.

```
40 • select count(location) from ngos;
41 • select avg(care_fund) from ngos;
42 • select sum(care_fund) from ngos;
43 • select max(care_fund) from ngos;
```

max(care_fund)
1000000

- **MIN() function:**

select min(care_fund) from ngos;



The screenshot shows a SQL query editor window titled 'ngos'. The query is: `select min(care_fund) from ngos;`. The result grid shows a single row with the value 50000.

```
41 • select avg(care_fund) from ngos;
42 • select sum(care_fund) from ngos;
43 • select max(care_fund) from ngos;
44 • select min(care_fund) from ngos;
```

min(care_fund)
50000

TABLE NO.2: Senior Citizen-

```

use elderlycare;
create table seniorcitizen(
    sid int primary key not null, name varchar(100), dob varchar(12), age int, gender varchar(5),
    address varchar(20), martial_status varchar(10), time_slots varchar(25),
    health_issue varchar(100), intrests varchar(100)
);
insert into seniorcitizen(sid, name, dob, age, gender, address, martial_status, time_slots, health_issue,
intrests) values (1, 'Krunal', '1954-18-05', 69, 'M', 'Kolad', 'Single',
'12pm to 6pm', 'Lower Back Injury', 'Back Massage'),
(2, 'Om', '1956-20-09', 67, 'M', 'Panvel', 'Married', '5pm to 9pm', 'Knee Pain', 'Legs Massage'),
(3, 'Sae', '1950-03-02', 73, 'F', 'Panvel', 'Married', '6pm to 10pm', 'Migrane', 'Head Massage'),
(4, 'Vishakha', '1960-29-07', 63, 'F', 'Mahad', 'Single', '2pm to 10pm', 'Vasculities', 'Legs Massage'),
(5, 'Apurva', '1950-13-02', 73, 'F', 'Mahad', 'Single', '8pm to 11pm', 'Hypertension Headache', 'Full
Body Massage'),
(6, 'Vishesh', '1948-03-12', 75, 'M', 'Thane', 'Married', '3pm to 8pm', 'Chest Pain', 'Full Body
Massage'),
(7, 'Shrija', '1957-03-02', 66, 'F', 'Thane', 'Single', '6pm to 8pm', 'Varicose', 'Full Body Massage'),
(8, 'Seja', '1954-24-08', 69, 'F', 'Matunga', 'Married', '6pm to 9pm', 'Sinus', 'Head Massage'),
(9, 'Jay', '1945-27-03', 78, 'M', 'Kalyan', 'Single', '4pm to 8pm', 'Joints Pain', 'Legs Massage'),
(10, 'Harshal', '1965-03-02', 58, 'M', 'Mahad', 'Married', '6pm to 10pm', 'Upper Back Injury', 'Back
Massage');
select * from seniorcitizen;

alter table seniorcitizen rename to seniorcitizens;
describe seniorcitizens;

alter table seniorcitizens modify gender char(3);
describe seniorcitizens;

alter table seniorcitizens change column address location varchar(20);
describe seniorcitizens;

alter table seniorcitizens add contact varchar(25);
describe seniorcitizens;

insert into seniorcitizens(sid, name, dob, age, gender, location, martial_status, time_slots,
health_issue, intrests, contact) values (11, 'Swayam', '1954-19-05', 69, 'M', 'Thane', 'Single',
'12pm to 6pm', 'Lower Back Injury', 'Back Massage', '123456789');
select * from seniorcitizens;

delete from seniorcitizens where sid=11;
select * from seniorcitizens;

select * from seniorcitizens where intrests='Full Body Massage';
select * from seniorcitizens where age between 70 and 80;

update seniorcitizens set location='Vrindavan', health_issue='Hypertension Headache' where sid=9;
select * from seniorcitizens;

select count(gender) from seniorcitizens;
select max(age) from seniorcitizens;
select min(age) from seniorcitizens;

```

- View Table:

seniorcitizen* x ngos

Limit to 1000 rows

```

9 (3, 'Sae', '1950-03-02', 73, 'F', 'Panvel', 'Married', '6pm to 10pm', 'Migrane', 'Head Massage'),
10 (4, 'Vishakha', '1960-29-07', 63, 'F', 'Mahad', 'Single', '2pm to 10pm', 'Vasculities', 'Legs Massage'),
11 (5, 'Apuva', '1950-13-02', 73, 'F', 'Mahad', 'Single', '8pm to 11pm', 'Hypertension Headache', 'Full Body
12 (6, 'Vishesh', '1948-03-12', 75, 'M', 'Thane', 'Married', '3pm to 8pm', 'Chest Pain', 'Full Body Massage')
13 (7, 'Shrijal', '1957-03-02', 66, 'F', 'Thane', 'Single', '6pm to 8pm', 'Varicose', 'Full Body Massage'),
14 (8, 'Sejal', '1954-24-08', 69, 'F', 'Matunga', 'Married', '6pm to 9pm', 'Sinus', 'Head Massage'),
15 (9, 'Jay', '1945-27-03', 78, 'M', 'Kalyan', 'Single', '4pm to 8pm', 'Joints Pain', 'Legs Massage'),
16 (10, 'Harshal', '1965-03-02', 58, 'M', 'Mahad', 'Married', '6pm to 10pm', 'Upper Back Injury', 'Back Massa
17 • select * from seniorcitizen;

```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: [FA](#)

	sid	name	dob	age	gender	address	marital_status	time_slots	health_issue	intrests
▶	1	Krunal	1954-18-05	69	M	Kolad	Single	12pm to 6pm	Lower Back Injury	Back Massage
	2	Om	1956-20-09	67	M	Panvel	Married	5pm to 9pm	Knee Pain	Legs Massage
	3	Sae	1950-03-02	73	F	Panvel	Married	6pm to 10pm	Migrane	Head Massage
	4	Vishakha	1960-29-07	63	F	Mahad	Single	2pm to 10pm	Vasculities	Legs Massage
	5	Apuva	1950-13-02	73	F	Mahad	Single	8pm to 11pm	Hypertension Headache	Full Body Massage
	6	Vishesh	1948-03-12	75	M	Thane	Married	3pm to 8pm	Chest Pain	Full Body Massage
	7	Shrijal	1957-03-02	66	F	Thane	Single	6pm to 8pm	Varicose	Full Body Massage
	8	Sejal	1954-24-08	69	F	Matunga	Married	6pm to 9pm	Sinus	Head Massage
	9	Jay	1945-27-03	78	M	Kalyan	Single	4pm to 8pm	Joints Pain	Legs Massage
	10	Harshal	1965-03-02	58	M	Mahad	Married	6pm to 10pm	Upper Back Injury	Back Massage
*										

- Rename Table:

alter table seniorcitizen rename to seniorcitizens;
describe seniorcitizens;

seniorcitizen* x ngos

Limit to 1000 rows

```

12 (6, 'Vishesh', '1948-03-12', 75, 'M', 'Thane', 'Married', '3pm
13 (7, 'Shrijal', '1957-03-02', 66, 'F', 'Thane', 'Single', '6pm t
14 (8, 'Sejal', '1954-24-08', 69, 'F', 'Matunga', 'Married', '6pm
15 (9, 'Jay', '1945-27-03', 78, 'M', 'Kalyan', 'Single', '4pm to 8
16 (10, 'Harshal', '1965-03-02', 58, 'M', 'Mahad', 'Married', '6pm
17 • select * from seniorcitizen;
18
19 • alter table seniorcitizen rename to seniorcitizens;
20 • describe seniorcitizens;

```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: [FA](#)

	Field	Type	Null	Key	Default	Extra
▶	sid	int(11)	NO	PRI		
	name	varchar(100)	YES			
	dob	varchar(12)	YES			
	age	int(11)	YES			
	gender	varchar(5)	YES			
	address	varchar(20)	YES			
	marital_status	varchar(10)	YES			
	time_slots	varchar(25)	YES			
	health_issue	varchar(100)	YES			
	intrests	varchar(100)	YES			

- **Modify Data Type:**

```
alter table seniorcitizens modify gender char(3);
describe seniorcitizens;
```

The screenshot shows a database management tool interface. The top toolbar includes icons for file operations, search, and execution. The SQL editor contains the following commands:

```
17 • select * from seniorcitizen;
18
19 • alter table seniorcitizen rename to seniorcitizens;
20 • describe seniorcitizens;
21
22 • alter table seniorcitizens modify gender char(3);
23 • describe seniorcitizens;
```

Below the editor, the 'Result Grid' tab is active, displaying the table structure for 'seniorcitizens'.

Field	Type	Null	Key	Default	Extra
sid	int(11)	NO	PRI	NULL	
name	varchar(100)	YES		NULL	
dob	varchar(12)	YES		NULL	
age	int(11)	YES		NULL	
gender	char(3)	YES		NULL	
location	varchar(20)	YES		NULL	
marital_status	varchar(10)	YES		NULL	
time_slots	varchar(25)	YES		NULL	
health_issue	varchar(100)	YES		NULL	
intrests	varchar(100)	YES		NULL	
contact	varchar(25)	YES		NULL	

- **Modify Column Name:**

```
alter table seniorcitizens change column address location varchar(20);
describe seniorcitizens;
```

The screenshot shows the same database management tool interface. The SQL editor contains the following commands:

```
24
25 • alter table seniorcitizens change column address location varchar(20);
26 • describe seniorcitizens;
27
```

Below the editor, the 'Result Grid' tab is active, displaying the table structure for 'seniorcitizens'.

Field	Type	Null	Key	Default	Extra
sid	int(11)	NO	PRI	NULL	
name	varchar(100)	YES		NULL	
dob	varchar(12)	YES		NULL	
age	int(11)	YES		NULL	
gender	char(3)	YES		NULL	
location	varchar(20)	YES		NULL	
marital_status	varchar(10)	YES		NULL	
time_slots	varchar(25)	YES		NULL	
health_issue	varchar(100)	YES		NULL	
intrests	varchar(100)	YES		NULL	
contact	varchar(25)	YES		NULL	

- **Add New Column:**

```
alter table seniorcitizens add contact varchar(25);
```

```
describe seniorcitizens;
```

The screenshot shows a database management tool interface. The top toolbar includes icons for file operations, search, and execution. The SQL editor contains the following commands:

```

24
25 • alter table seniorcitizens modify time_slots varchar(25);
26 • describe seniorcitizens;
27
28 • alter table seniorcitizens change column address location;
29 • describe seniorcitizens;
30
31 • alter table seniorcitizens add contact varchar(25);
32 • describe seniorcitizens;

```

The 'Result Grid' shows the table structure for 'seniorcitizens':

Field	Type	Null	Key	Default	Extra
sid	int(11)	NO	PRI	NULL	
name	varchar(100)	YES		NULL	
dob	varchar(12)	YES		NULL	
age	int(11)	YES		NULL	
gender	char(3)	YES		NULL	
location	varchar(20)	YES		NULL	
marital_status	varchar(10)	YES		NULL	
time_slots	varchar(25)	YES		NULL	
health_issue	varchar(100)	YES		NULL	
intrests	varchar(100)	YES		NULL	
contact	varchar(25)	YES		NULL	

- **Insert New Value:**

```
insert into seniorcitizens(sid, name, dob, age, gender, location, marital_status, time_slots, health_issue, i
health_issue, intrests, contact) values (11, 'Swayam,', '1954-19-05', 69, 'M', 'Thane', 'Single',
'12pm to 6pm', 'Lower Back Injury', 'Back Massage', '123456789');
```

```
select * from seniorcitizens;
```

The screenshot shows the same database management tool interface. The SQL editor contains the following commands:

```

33
34 • insert into seniorcitizens(sid, name, dob, age, gender, location, marital_status, time_slots, health_issue, i
35 • '12pm to 6pm', 'Lower Back Injury', 'Back Massage', '123456789');
36 • select * from seniorcitizens;

```

The 'Result Grid' shows the table data after the insert operation:

	sid	name	dob	age	gender	location	marital_status	time_slots	health_issue	intrests	contact
1	1	Krunal	1954-18-05	69	M	Kolad	Single	12pm to 6pm	Lower Back Injury	Back Massage	NULL
2	2	Om	1956-20-09	67	M	Panvel	Married	5pm to 9pm	Knee Pain	Legs Massage	NULL
3	3	Saee	1950-03-02	73	F	Panvel	Married	6pm to 10pm	Migrane	Head Massage	NULL
4	4	Vishakha	1960-29-07	63	F	Mahad	Single	2pm to 10pm	Vasculities	Legs Massage	NULL
5	5	Apurva	1950-13-02	73	F	Mahad	Single	8pm to 11pm	Hypertension Headache	Full Body Massage	NULL
6	6	Vishesh	1948-03-12	75	M	Thane	Married	3pm to 8pm	Chest Pain	Full Body Massage	NULL
7	7	Shrijal	1957-03-02	66	F	Thane	Single	6pm to 8pm	Varicose	Full Body Massage	NULL
8	8	Sejal	1954-24-08	69	F	Matunga	Married	6pm to 9pm	Sinus	Head Massage	NULL
9	9	Jay	1945-27-03	78	M	Kalyan	Single	4pm to 8pm	Joints Pain	Legs Massage	NULL
10	10	Harshal	1965-03-02	58	M	Mahad	Married	6pm to 10pm	Upper Back Injury	Back Massage	NULL
11	11	Swayam,	1954-19-05	69	M	Thane	Single	12pm to 6pm	Lower Back Injury	Back Massage	12345...
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

- **Delete Value:**

delete from seniorcitizens where sid=11;

select * from seniorcitizens;

The screenshot shows a database management tool interface with the following SQL commands in the script editor:

```

31 • alter table seniorcitizens add contact varchar(25);
32 • de Execute the selected portion of the script or everything, if there is no selection
33
34 • insert into seniorcitizens(sid, name, dob, age, gender, location, martial_status, time_slots, health_issue,
35   '12pm to 6pm', 'Lower Back Injury', 'Back Massage', '123456789');
36 • select * from seniorcitizens;
37
38 • delete from seniorcitizens where sid=11;
39 • select * from seniorcitizens;

```

The Result Grid displays the following data:

	sid	name	dob	age	gender	location	martial_status	time_slots	health_issue	intrests	contact
▶	1	Krunal	1954-18-05	69	M	Kolad	Single	12pm to 6pm	Lower Back Injury	Back Massage	NULL
	2	Om	1956-20-09	67	M	Panvel	Married	5pm to 9pm	Knee Pain	Legs Massage	NULL
	3	Saee	1950-03-02	73	F	Panvel	Married	6pm to 10pm	Migrane	Head Massage	NULL
	4	Vishakha	1960-29-07	63	F	Mahad	Single	2pm to 10pm	Vasculities	Legs Massage	NULL
	5	Apurva	1950-13-02	73	F	Mahad	Single	8pm to 11pm	Hypertension Headache	Full Body Massage	NULL
	6	Vishesh	1948-03-12	75	M	Thane	Married	3pm to 8pm	Chest Pain	Full Body Massage	NULL
	7	Shrijal	1957-03-02	66	F	Thane	Single	6pm to 8pm	Varicose	Full Body Massage	NULL
	8	Sejal	1954-24-08	69	F	Matunga	Married	6pm to 9pm	Sinus	Head Massage	NULL
	9	Jay	1945-27-03	78	M	Kalyan	Single	4pm to 8pm	Joints Pain	Legs Massage	NULL
	10	Harshal	1965-03-02	58	M	Mahad	Married	6pm to 10pm	Upper Back Injury	Back Massage	NULL
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

- **Select Where Command:**

select * from seniorcitizens where intrests='Full Body Massage';

select * from seniorcitizens where age between 70 and 80;

The screenshot shows a database management tool interface with the following SQL commands in the script editor:

```

33
34 • insert into seniorcitizens(sid, name, dob, age, gender, location, martial_status, time_slots, health_issue, intr
35   '12pm to 6pm', 'Lower Back Injury', 'Back Massage', '123456789');
36 • select * from seniorcitizens;
37
38 • delete from seniorcitizens where sid=11;
39 • select * from seniorcitizens;
40
41 • select * from seniorcitizens where intrests='Full Body Massage';

```

The Result Grid displays the following data:

	sid	name	dob	age	gender	location	martial_status	time_slots	health_issue	intrests	contact
▶	5	Apurva	1950-13-02	73	F	Mahad	Single	8pm to 11pm	Hypertension Headache	Full Body Massage	NULL
	6	Vishesh	1948-03-12	75	M	Thane	Married	3pm to 8pm	Chest Pain	Full Body Massage	NULL
	7	Shrijal	1957-03-02	66	F	Thane	Single	6pm to 8pm	Varicose	Full Body Massage	NULL
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

seniorcitizen* x ngos*

Limit to 1000 rows

```

34 • insert into seniorcitizens(sid, name, dob, age, gender, location, martial_status, time_slots, health_issue, intrests
35 • '12pm to 6pm', 'Lower Back Injury', 'Back Massage', '123456789');
36 • select * from seniorcitizens;
37
38 • delete from seniorcitizens where sid=11;
39 • select * from seniorcitizens;
40
41 • select * from seniorcitizens where intrests='Full Body Massage';
42 • select * from seniorcitizens where age between 70 and 80;

```

Result Grid

	sid	name	dob	age	gender	location	martial_status	time_slots	health_issue	intrests	contact
▶	3	Saee	1950-03-02	73	F	Panvel	Married	6pm to 10pm	Migrane	Head Massage	NULL
	5	Apurva	1950-13-02	73	F	Mahad	Single	8pm to 11pm	Hypertension Headache	Full Body Massage	NULL
	6	Vishesh	1948-03-12	75	M	Thane	Married	3pm to 8pm	Chest Pain	Full Body Massage	NULL
	9	Jay	1945-27-03	78	M	Kalyan	Single	4pm to 8pm	Joints Pain	Legs Massage	NULL
•	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

- **Update Values:**

update seniorcitizens set location='Vrindavan', health_issue='Hypertension Headache' where sid=9;
 select * from seniorcitizens;

seniorcitizen* x ngos*

Limit to 1000 rows

```

37
38 • delete from seniorcitizens where sid=11;
39 • select * from seniorcitizens;
40
41 • select * from seniorcitizens where intrests='Full Body Massage';
42 • select * from seniorcitizens where age between 70 and 80;
43
44 • update seniorcitizens set location='Vrindavan', health_issue='Hypertension Headache' where sid=9;
45 • select * from seniorcitizens;

```

Result Grid

	sid	name	dob	age	gender	location	martial_status	time_slots	health_issue	intrests	contact
▶	1	Krunal	1954-18-05	69	M	Kolad	Single	12pm to 6pm	Lower Back Injury	Back Massage	NULL
	2	Om	1956-20-09	67	M	Panvel	Married	5pm to 9pm	Knee Pain	Legs Massage	NULL
	3	Saee	1950-03-02	73	F	Panvel	Married	6pm to 10pm	Migrane	Head Massage	NULL
	4	Vishakha	1960-29-07	63	F	Mahad	Single	2pm to 10pm	Vasculities	Legs Massage	NULL
	5	Apurva	1950-13-02	73	F	Mahad	Single	8pm to 11pm	Hypertension Headache	Full Body Massage	NULL
	6	Vishesh	1948-03-12	75	M	Thane	Married	3pm to 8pm	Chest Pain	Full Body Massage	NULL
	7	Shrijaal	1957-03-02	66	F	Thane	Single	6pm to 8pm	Varicose	Full Body Massage	NULL
	8	Sejal	1954-24-08	69	F	Matunga	Married	6pm to 9pm	Sinus	Head Massage	NULL
	9	Jay	1945-27-03	78	M	Vrindavan	Single	4pm to 8pm	Hypertension Headache	Legs Massage	NULL
	10	Harshal	1965-03-02	58	M	Mahad	Married	6pm to 10pm	Upper Back Injury	Back Massage	NULL
•	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

- **Count() function:**

select count(gender) from seniorcitizens;

```

39 • select * from seniorcitizens;
40
41 • select * from seniorcitizens where intrests='Full Body Mas
42 • select * from seniorcitizens where age between 70 and 80;
43
44 • update seniorcitizens set location='Vrindavan', health_iss
45 • select * from seniorcitizens;
46
47 • select count(gender) from seniorcitizens;

```

count(gender)
10

- **Max():**

select max(age) from seniorcitizens;

```

44 • select count(gender) from seniorcitizens;
45 • select max(age) from seniorcitizens;

```

max(age)
78

- **Min():**

select min(age) from seniorcitizens;

```

44 • select count(gender) from seniorcitizens;
45 • select max(age) from seniorcitizens;
46 • select min(age) from seniorcitizens;

```

min(age)
58