



ATMIYA University

Faculty of Science

Department of Computer Application

Master of Computer Application

Code :- 23MCACC107 | Subject-Name:- Databases Enterprise Applications

Name:=Jainish Barbhaya

Register No:=15618223014

```
DROP TABLE EMPLOYEE PURGE;
```

```
CREATE TABLE EMPLOYEES1 (  
    EMPLOYEE_ID INTEGER PRIMARY KEY,  
    FIRST_NAME VARCHAR2(50) NOT NULL,  
    LAST_NAME VARCHAR2(50) NOT NULL,  
    HIRE_DATE DATE,  
    SALARY NUMBER(10, 2)  
);
```

```
INSERT INTO EMPLOYEES1 VALUES(101, 'John', 'Doe', '01-Jul-2022',  
60000.00);
```

1 row inserted.

```
INSERT INTO EMPLOYEES1 VALUES(102, 'Jane', 'Smith', null, 55000.00);
```

1 row inserted.

```
INSERT INTO EMPLOYEES1 VALUES(103, 'Michael', 'Johnson', '15-mar-2023', null);
```

1 row inserted.

```
INSERT INTO EMPLOYEES1 VALUES(104, 'Emily', 'Williams', null, null);
```

1 row inserted.

```
INSERT INTO EMPLOYEES1  
VALUES(105, 'Daniel', 'Brown', '05-sep-2022', 48000.00);
```

1 row inserted.

```
INSERT INTO EMPLOYEES1 VALUES(106, 'Laura', 'Davis', '20-apr-2023', 52000.00);
```



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1 row inserted.

```
INSERT INTO EMPLOYEES1 VALUES  
(107, 'Matthew', 'Wilson', '10-dec-2021', 54000.00);
```

1 row inserted.

```
INSERT INTO EMPLOYEES1 VALUES(108, 'Emma', 'Brown', null, null);
```

1 row inserted.

```
INSERT INTO EMPLOYEES1 VALUES(109, 'Olivia', 'Jones', '30-may-2023', 59000.0);
```

1 row inserted.

```
INSERT INTO EMPLOYEES1 VALUES(110, 'Noah', 'Smith', '08-aug-2022', null);
```

1 row inserted.

```
INSERT INTO EMPLOYEES1  
VALUES(111, 'William', 'Johnson', '25-jun-2021', 45000.00);
```

1 row inserted.

```
INSERT INTO EMPLOYEES1 VALUES(112, 'Ava', 'Williams', null, null);
```

1 row inserted.

```
INSERT INTO EMPLOYEES1  
VALUES(113, 'Sophia', 'Davis', '18-feb-2023', 57000.00);
```

1 row inserted.

```
INSERT INTO EMPLOYEES1 VALUES(114, 'James', 'Wilson', null, null);
```



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1 row inserted.

```
INSERT INTO EMPLOYEES1  
VALUES (115, 'Oliver', 'Miller', '12-oct-2022', 51000.00);
```

1 row inserted.

```
INSERT INTO EMPLOYEES1 VALUES (116, 'Amelia', 'Brown', null, null);
```

1 row inserted.

```
INSERT INTO EMPLOYEES1  
VALUES (117, 'Benjamin', 'Davis', '02-dec-2021', 53000.00);
```

1 row inserted.

```
INSERT INTO EMPLOYEES1 VALUES (118, 'Elijah', 'Wilson', '09-mar-2023', null);
```

1 row inserted.

```
INSERT INTO EMPLOYEES1 VALUES (119, 'Lucas', 'Brown', '22-jun-2022', 56000.00);
```

1 row inserted.

```
INSERT INTO EMPLOYEES1 VALUES (120, 'Mia', 'Johnson', null, null);
```

1 row inserted.

OUTPUT:-

```
SELECT * FROM EMPLOYEES1;
```

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY
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101	John	Doe	01-07-22	60000
102	Jane	Smith		55000
103	Michael	Johnson	15-03-23	
104	Emily	Williams		
105	Daniel	Brown	05-09-22	48000
106	Laura	Davis	20-04-23	52000
107	Matthew	Wilson	10-12-21	54000
108	Emma	Brown		
109	Olivia	Jones	30-05-23	59000
110	Noah	Smith	08-08-22	
111	William	Johnson	25-06-21	45000
112	Ava	Williams		
113	Sophia	Davis	18-02-23	57000
114	James	Wilson		

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY
115	Oliver	Miller	12-10-22	51000
116	Amelia	Brown		
117	Benjamin	Davis	02-12-21	53000
118	Elijah	Wilson	09-03-23	
119	Lucas	Brown	22-06-22	56000
120	Mia	Johnson		

20 rows selected.

=====Distinct Keyword:=====

1.) SELECT DISTINCT FIRST_NAME FROM EMPLOYEES1;

OUTPUT:-

FIRST_NAME



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WILLIAM
LUCAS
OLIVER
BENJEMIN
ELIJHA
AMELIA
MIA
SOPHIA
JANE
DANIEL
LAURA
NOAH
MICHAEL
EMILY

FIRST_NAME

JOHN
MATTHEW
EMMA
OLIVIA
AVA
JAMES

2.) `SELECT DISTINCT LAST_NAME FROM EMPLOYEES1;`

OUTPUT:-

LAST_NAME

WILLIAMS
DOE
BROWN



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DAVIS
WILSON
JOHNS
SMITH
JOHNSON
MILLER

3.) `SELECT DISTINCT HIRE_DATE FROM EMPLOYEES1;`

OUTPUT:-

HIRE_DATE
01-07-22
20-04-23
10-12-21
30-05-23
22-06-22
18-02-23
02-12-21
05-09-22
15-03-23
09-03-23
08-08-22
25-06-21
12-10-22

4.) `SELECT DISTINCT SALARY FROM EMPLOYEES1;`

OUTPUT:

SALARY



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55000

51000

59000

56000

60000

48000

54000

45000

53000

52000

57000

5.) `SELECT DISTINCT EMPLOYEE_ID FROM EMPLOYEES1;`

OUTPUT:-

EMPLOYEE_ID

1

2

3

4

5

6

7

8

9

10

11

12

13

14



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Register No:=15618223014

EMPLOYEE_ID

15
16
17
18
19
20

===== Comparing Values: =====

1.) `SELECT * FROM EMPLOYEES1 WHERE SALARY > 50000;`

OUTPUT:-

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY
1	JOHN	DOE	01-07-22	60000
2	JANE	SMITH		55000
6	LAURA	DAVIS	20-04-23	52000
7	MATTHEW	WILSON	10-12-21	54000
9	OLIVIA	JOHNS	30-05-23	59000
10	NOAH	SMITH	08-08-22	54000
13	SOPHIA	DAVIS	18-02-23	57000
15	OLIVER	MILLER	12-10-22	51000
17	BENJEMIN	DAVIS	02-12-21	53000
19	LUCAS	BROWN	22-06-22	56000

2.) `SELECT * FROM EMPLOYEES1 WHERE HIRE_DATE >= '01-JAN-2022';`

OUTPUT:-

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY
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Name:=Jainish Barbhaya

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1	JOHN	DOE	01-07-22	60000
3	MICHAEL	JOHNSON	15-03-23	
5	DANIEL	BROWN	05-09-22	48000
6	LAURA	DAVIS	20-04-23	52000
9	OLIVIA	JOHNS	30-05-23	59000
10	NOAH	SMITH	08-08-22	54000
13	SOPHIA	DAVIS	18-02-23	57000
15	OLIVER	MILLER	12-10-22	51000
18	ELIJAH	WILSON	09-03-23	
19	LUCAS	BROWN	22-06-22	56000

3.) `SELECT * FROM EMPLOYEES1 WHERE SALARY = 60000;`

OUTPUT:

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY
1	JOHN	DOE	01-07-22	60000

4.) `SELECT * FROM EMPLOYEES1 WHERE FIRST_NAME LIKE 'JOHN';`

OUTPUT:-

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY
1	JOHN	DOE	01-07-22	60000

5.) `SELECT * FROM EMPLOYEES1 WHERE SALARY <=50000;`

OUTPUT:-

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY
-------------	------------	-----------	-----------	--------



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Name:=Jainish Barbhaya

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5	DANIEL	BROWN	05-09-22	48000
11	WILLIAM	JOHNSON	25-06-21	45000

=====LIKE OPERATORS=====

1.) `SELECT * FROM EMPLOYEES1 WHERE LAST_NAME LIKE '%SON';`

OUTPUT:-

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY
3	MICHAEL	JOHNSON	15-03-23	
7	MATTHEW	WILSON	10-12-21	54000
11	WILLIAM	JOHNSON	25-06-21	45000
14	JAMES	WILSON		
18	ELIJHA	WILSON	09-03-23	
20	MIA	JOHNSON		

2.) `SELECT * FROM EMPLOYEES1 WHERE FIRST_NAME LIKE '%A';`

OUTPUT:-

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY
6	LAURA	DAVIS	20-04-23	52000
8	EMMA	BROWN		
9	OLIVIA	JOHNS	30-05-23	59000
12	AVA	WILLIAMS		
3	SOPHIA	DAVIS	18-02-23	57000
16	AMELIA	BROWN		
18	ELIJHA	WILSON	09-03-23	
20	MIA	JOHNSON		



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3.) `SELECT * FROM EMPLOYEES1 WHERE LAST_NAME LIKE 'SM%';`

OUTPUT:-

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY
2	JANE	SMITH		55000
10	NOAH	SMITH	08-08-22	54000

4.) `SELECT * FROM EMPLOYEES1 WHERE FIRST_NAME LIKE '%E%';`

OUTPUT:-

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY
2	JANE	SMITH		55000
3	MICHAEL	JOHNSON	15-03-23	
4	EMILY	WILLIAMS		
5	DANIEL	BROWN	05-09-22	48000
7	MATTHEW	WILSON	10-12-21	54000
8	EMMA	BROWN		
14	JAMES	WILSON		
15	OLIVER	MILLER	12-10-22	51000
16	AMELIA	BROWN		
17	BENJEMIN	DAVIS	02-12-21	53000
18	ELIJAH	WILSON	09-03-23	

5.) `SELECT * FROM EMPLOYEES1 WHERE LAST_NAME LIKE 'BROWN';`

OUTPUT:-

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY
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5	DANIEL	BROWN	05-09-22	48000
8	EMMA	BROWN		
16	AMELIA	BROWN		
19	LUCAS	BROWN	22-06-22	56000

=====IN OPERATOR=====

1.) `SELECT * FROM EMPLOYEES1 WHERE EMPLOYEE_ID IN (1,2,3);`

OUTPUT:

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY
1	JOHN	DOE	01-07-22	60000
2	JANE	SMITH		55000
3	MICHAEL	JOHNSON	15-03-23	

2.) `SELECT * FROM EMPLOYEES1 WHERE FIRST_NAME IN('JOHN','JANE','MICHAEL');`

OUTPUT:-

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY
1	JOHN	DOE	01-07-22	60000
2	JANE	SMITH		55000
3	MICHAEL	JOHNSON	15-03-23	

3.) `SELECT * FROM EMPLOYEES1 WHERE SALARY IN(50000, 55000, 60000);`

OUTPUT:-



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EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY
1	JOHN	DOE	01-07-22	60000
2	JANE	SMITH		55000

```
4.) SELECT * FROM EMPLOYEES1 WHERE LAST_NAME IN ('SMITH', 'JOHNSON', 'WILLIAMS');
```

OUTPUT:-

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY
2	JANE	SMITH		55000
3	MICHAEL	JOHNSON	15-03-23	
4	EMILY	WILLIAMS		
10	NOAH	SMITH	08-08-22	54000
11	WILLIAM	JOHNSON	25-06-21	45000
12	AVA	WILLIAMS		
20		MIA	JOHNSON	

```
5.) SELECT * FROM EMPLOYEES1 WHERE EMPLOYEE_ID IN (4,5,6);
```

OUTPUT:-

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY
4	EMILY	WILLIAMS		
5	DANIEL	BROWN	05-09-22	48000
6	LAURA	DAVIS	20-04-23	52000

=====BETWEEN OPERATOR=====

```
1.) SELECT * FROM EMPLOYEES1 WHERE SALARY BETWEEN 50000 AND 60000;
```



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OUTPUT:-

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY
1	JOHN	DOE	01-07-22	60000
2	JANE	SMITH		55000
6	LAURA	DAVIS	20-04-23	52000
7	MATTHEW	WILSON	10-12-21	54000
9	OLIVIA	JOHNS	30-05-23	59000
10	NOAH	SMITH	08-08-22	54000
13	SOPHIA	DAVIS	18-02-23	57000
15	OLIVER	MILLER	12-10-22	51000
17	BENJEMIN	DAVIS	02-12-21	53000
19	LUCAS	BROWN	22-06-22	56000

```
2.) SELECT * FROM EMPLOYEES1 WHERE HIRE_DATE BETWEEN '01-JAN-2022' AND '31-DEC-2022';
```

OUTPUT:-

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY
1	JOHN	DOE	01-07-22	60000
5	DANIEL	BROWN	05-09-22	48000
10	NOAH	SMITH	08-08-22	54000
15	OLIVER	MILLER	12-10-22	51000
19	LUCAS	BROWN	22-06-22	56000

```
3.) SELECT * FROM EMPLOYEES1 WHERE EMPLOYEE_ID BETWEEN 101 AND 110;
```

OUTPUT:-

no rows selected



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Name:=Jainish Barbhaya

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4.) `SELECT * FROM EMPLOYEES1 WHERE HIRE_DATE BETWEEN '01-JAN-2022' AND '31-DEC-2022';`

OUTPUT:-

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY
1	JOHN	DOE	01-07-22	60000
5	DANIEL	BROWN	05-09-22	48000
10	NOAH	SMITH	08-08-22	54000
15	OLIVER	MILLER	12-10-22	51000
19	LUCAS	BROWN	22-06-22	56000

5.) `SELECT * FROM EMPLOYEES1 WHERE SALARY BETWEEN 45000 AND 55000;`

OUTPUT:-

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY
2	JANE	SMITH		55000
5	DANIEL	BROWN	05-09-22	48000
6	LAURA	DAVIS	20-04-23	52000
7	MATTHEW	WILSON	10-12-21	54000
10	NOAH	SMITH	08-08-22	54000
11	WILLIAM	JOHNSON	25-06-21	45000
15	OLIVER	MILLER	12-10-22	51000
17	BENJEMIN	DAVIS	02-12-21	53000

=====IS NULL QUERIES:=====

1.) `SELECT * FROM EMPLOYEES1 WHERE HIRE_DATE IS NULL;`

OUTPUT:-



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EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY
2	JANE	SMITH		55000
4	EMILY	WILLIAMS		
8	EMMA	BROWN		
12	AVA	WILLIAMS		
14	JAMES	WILSON		
16	AMELIA	BROWN		
20	MIA	JOHNSON		

2.) `SELECT * FROM EMPLOYEES1 WHERE SALARY IS NULL;`

OUTPUT:-

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY
3	MICHAEL	JOHNSON	15-03-23	
4	EMILY	WILLIAMS		
8	EMMA	BROWN		
12	AVA	WILLIAMS		
14	JAMES	WILSON		
16	AMELIA	BROWN		
18	ELIJHA	WILSON	09-03-23	
20	MIA	JOHNSON		

3.) `SELECT * FROM EMPLOYEES1 WHERE FIRST_NAME IS NULL;`

OUTPUT:-

no rows selected

4.) `SELECT * FROM EMPLOYEES1 WHERE LAST_NAME IS NULL;`



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OUTPUT:-

no rows selected

5.) `SELECT * FROM EMPLOYEES1 WHERE EMPLOYEE_ID IS NULL;`

OUTPUT:-

no rows selected

=====LOGICAL OPERATOR=====

1.) `SELECT * FROM EMPLOYEES1 WHERE SALARY IS NAN;`

OUTPUT:-

no rows selected

2.) `SELECT * FROM EMPLOYEES1 WHERE SALARY IS INFINITE;`

OUTPUT:-

no rows selected

3.) `SELECT * FROM EMPLOYEES1 WHERE HIRE_DATE IS NOT NULL;`

OUTPUT:-

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY
1	JOHN	DOE	01-07-22	60000
3	MICHAEL	JOHNSON	15-03-23	
5	DANIEL	BROWN	05-09-22	48000
6	LAURA	DAVIS	20-04-23	52000



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7	MATTHEW	WILSON	10-12-21	54000
9	OLIVIA	JOHNS	30-05-23	59000
10	NOAH	SMITH	08-08-22	54000
11	WILLIAM	JOHNSON	25-06-21	45000
13	SOPHIA	DAVIS	18-02-23	57000
15	OLIVER	MILLER	12-10-22	51000
17	BENJEMIN	DAVIS	02-12-21	53000
18	ELIJHA	WILSON	09-03-23	
19	LUCAS	BROWN	22-06-22	56000

4.) `SELECT * FROM EMPLOYEES1 WHERE SALARY IS NOT NAN;`

OUTPUT:-

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY
1	JOHN	DOE	01-07-22	60000
2	JANE	SMITH		55000
5	DANIEL	BROWN	05-09-22	48000
6	LAURA	DAVIS	20-04-23	52000
7	MATTHEW	WILSON	10-12-21	54000
9	OLIVIA	JOHNS	30-05-23	59000
10	NOAH	SMITH	08-08-22	54000
11	WILLIAM	JOHNSON	25-06-21	45000
13	SOPHIA	DAVIS	18-02-23	57000
15	OLIVER	MILLER	12-10-22	51000
17	BENJEMIN	DAVIS	02-12-21	53000
19	LUCAS	BROWN	22-06-22	56000

5.) `SELECT * FROM EMPLOYEES1 WHERE SALARY IS NOT INFINITE;`

OUTPUT:-

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY
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1	JOHN	DOE	01-07-22	60000
2	JANE	SMITH		55000
5	DANIEL	BROWN	05-09-22	48000
6	LAURA	DAVIS	20-04-23	52000
7	MATTHEW	WILSON	10-12-21	54000
9	OLIVIA	JOHNS	30-05-23	59000
10	NOAH	SMITH	08-08-22	54000
11	WILLIAM	JOHNSON	25-06-21	45000
13	SOPHIA	DAVIS	18-02-23	57000
15	OLIVER	MILLER	12-10-22	51000
17	BENJEMIN	DAVIS	02-12-21	53000
19	LUCAS	BROWN	22-06-22	56000

=====NOT LIKE OPERATOR=====

1.) `SELECT * FROM EMPLOYEES1 WHERE LAST_NAME NOT LIKE '%SON';`

OUTPUT:-

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY
1	JOHN	DOE	01-07-22	60000
2	JANE	SMITH		55000
4	EMILY	WILLIAMS		
5	DANIEL	BROWN	05-09-22	48000
6	LAURA	DAVIS	20-04-23	52000
8	EMMA	BROWN		
9	OLIVIA	JOHNS	30-05-23	59000
10	NOAH	SMITH	08-08-22	54000
12	AVA	WILLIAMS		
13	SOPHIA	DAVIS	18-02-23	57000
15	OLIVER	MILLER	12-10-22	51000



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16	AMELIA	BROWN		
17	BENJEMIN	DAVIS	02-12-21	53000
19	LUCAS	BROWN	22-06-22	56000

2.) `SELECT * FROM EMPLOYEES1 WHERE FIRST_NAME NOT LIKE '%A';`

OUTPUT:-

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY
1	JOHN	DOE	01-07-22	60000
2	JANE	SMITH		55000
3	MICHAEL	JOHNSON	15-03-23	
4	EMILY	WILLIAMS		
5	DANIEL	BROWN	05-09-22	48000
7	MATTHEW	WILSON	10-12-21	54000
10	NOAH	SMITH	08-08-22	54000
11	WILLIAM	JOHNSON	25-06-21	45000
14	JAMES	WILSON		
15	OLIVER	MILLER	12-10-22	51000
17	BENJEMIN	DAVIS	02-12-21	53000
19	LUCAS	BROWN	22-06-22	56000

3.) `SELECT * FROM EMPLOYEES1 WHERE LAST_NAME NOT LIKE 'SM%';`

OUTPUT:-

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY
1	JOHN	DOE	01-07-22	60000
3	MICHAEL	JOHNSON	15-03-23	
4	EMILY	WILLIAMS		



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Register No:=15618223014

5	DANIEL	BROWN	05-09-22	48000
6	LAURA	DAVIS	20-04-23	52000
7	MATTHEW	WILSON	10-12-21	54000
8	EMMA	BROWN		
9	OLIVIA	JOHNS	30-05-23	59000
11	WILLIAM	JOHNSON	25-06-21	45000
12	AVA	WILLIAMS		
13	SOPHIA	DAVIS	18-02-23	57000
14	JAMES	WILSON		
15	OLIVER	MILLER	12-10-22	51000
16	AMELIA	BROWN		

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY
17	BENJEMIN	DAVIS	02-12-21	53000
18	ELIJHA	WILSON	09-03-23	
19	LUCAS	BROWN	22-06-22	56000
20	MIA	JOHNSON		

4.) `SELECT * FROM EMPLOYEES1 WHERE FIRST_NAME NOT LIKE '%E%';`

OUTPUT:-

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY
1	JOHN	DOE	01-07-22	60000
6	LAURA	DAVIS	20-04-23	52000
9	OLIVIA	JOHNS	30-05-23	59000
10	NOAH	SMITH	08-08-22	54000
11	WILLIAM	JOHNSON	25-06-21	45000
12	AVA	WILLIAMS		
13	SOPHIA	DAVIS	18-02-23	57000
19	LUCAS	BROWN	22-06-22	56000
20	MIA	JOHNSON		



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```
5.) SELECT * FROM EMPLOYEES1 WHERE LAST_NAME NOT LIKE 'BROWN';
```

OUTPUT:-

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY
1	JOHN	DOE	01-07-22	60000
2	JANE	SMITH		55000
3	MICHAEL	JOHNSON	15-03-23	
4	EMILY	WILLIAMS		
6	LAURA	DAVIS	20-04-23	52000
7	MATTHEW	WILSON	10-12-21	54000
9	OLIVIA	JOHNS	30-05-23	59000
10	NOAH	SMITH	08-08-22	54000
11	WILLIAM	JOHNSON	25-06-21	45000
12	AVA	WILLIAMS		
13	SOPHIA	DAVIS	18-02-23	57000
14	JAMES	WILSON		
15	OLIVER	MILLER	12-10-22	51000
17	BENJEMIN	DAVIS	02-12-21	53000

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY
18	ELIJHA	WILSON	09-03-23	
20	MIA	JOHNSON		

=====NOT IN
OPERATOR=====

```
1.) SELECT * FROM EMPLOYEES1 WHERE EMPLOYEE_ID NOT BETWEEN 1 AND 10;
```

OUTPUT:-



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EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY
11	WILLIAM	JOHNSON	25-06-21	45000
12	AVA	WILLIAMS		
13	SOPHIA	DAVIS	18-02-23	57000
14	JAMES	WILSON		
15	OLIVER	MILLER	12-10-22	51000
16	AMELIA	BROWN		
17	BENJEMIN	DAVIS	02-12-21	53000
18	ELIJHA	WILSON	09-03-23	
19	LUCAS	BROWN	22-06-22	56000
20	MIA	JOHNSON		

```
2.) SELECT * FROM EMPLOYEES1 WHERE FIRST_NAME NOT IN ('JOHN', 'JANE',  
'MICHAEL');
```

OUTPUT:-

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY
4	EMILY	WILLIAMS		
5	DANIEL	BROWN	05-09-22	48000
6	LAURA	DAVIS	20-04-23	52000
7	MATTHEW	WILSON	10-12-21	54000
8	EMMA	BROWN		
9	OLIVIA	JOHNS	30-05-23	59000
10	NOAH	SMITH	08-08-22	54000
11	WILLIAM	JOHNSON	25-06-21	45000
12	AVA	WILLIAMS		
13	SOPHIA	DAVIS	18-02-23	57000
14	JAMES	WILSON		
15	OLIVER	MILLER	12-10-22	51000



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16	AMELIA	BROWN		
17	BENJEMIN	DAVIS	02-12-21	53000

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY
18	ELIJHA	WILSON	09-03-23	
19	LUCAS	BROWN	22-06-22	56000
20	MIA	JOHNSON		

3.) `SELECT * FROM EMPLOYEES1 WHERE SALARY NOT IN (50000, 55000, 60000);`

OUTPUT:-

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY
5	DANIEL	BROWN	05-09-22	48000
6	LAURA	DAVIS	20-04-23	52000
7	MATTHEW	WILSON	10-12-21	54000
9	OLIVIA	JOHNS	30-05-23	59000
10	NOAH	SMITH	08-08-22	54000
11	WILLIAM	JOHNSON	25-06-21	45000
13	SOPHIA	DAVIS	18-02-23	57000
15	OLIVER	MILLER	12-10-22	51000
17	BENJEMIN	DAVIS	02-12-21	53000
19	LUCAS	BROWN	22-06-22	56000

4.) `SELECT * FROM EMPLOYEES1 WHERE LAST_NAME NOT IN ('SMITH', 'JOHNSON', 'WILLIAMS');`

OUTPUT:-

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY
1	JOHN	DOE	01-07-22	60000



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5	DANIEL	BROWN	05-09-22	48000
6	LAURA	DAVIS	20-04-23	52000
7	MATTHEW	WILSON	10-12-21	54000
8	EMMA	BROWN		
9	OLIVIA	JOHNS	30-05-23	59000
13	SOPHIA	DAVIS	18-02-23	57000
14	JAMES	WILSON		
15	OLIVER	MILLER	12-10-22	51000
16	AMELIA	BROWN		
17	BENJEMIN	DAVIS	02-12-21	53000
18	ELIJHA	WILSON	09-03-23	
19	LUCAS	BROWN	22-06-22	56000

5.) `SELECT * FROM EMPLOYEES1 WHERE EMPLOYEE_ID NOT IN (4,5,6);`

OUTPUT:-

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY
1	JOHN	DOE	01-07-22	60000
2	JANE	SMITH		55000
3	MICHAEL	JOHNSON	15-03-23	
7	MATTHEW	WILSON	10-12-21	54000
8	EMMA	BROWN		
9	OLIVIA	JOHNS	30-05-23	59000
10	NOAH	SMITH	08-08-22	54000
11	WILLIAM	JOHNSON	25-06-21	45000
12	AVA	WILLIAMS		
13	SOPHIA	DAVIS	18-02-23	57000
14	JAMES	WILSON		
15	OLIVER	MILLER	12-10-22	51000
16	AMELIA	BROWN		
17	BENJEMIN	DAVIS	02-12-21	53000



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EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY
18	ELIJHA	WILSON	09-03-23	
19	LUCAS	BROWN	22-06-22	56000
20	MIA	JOHNSON		

=====NOT BETWEEN
OPERATOR=====

1.) `SELECT * FROM EMPLOYEES1 WHERE SALARY NOT BETWEEN 50000 AND 60000;`

OUTPUT:-

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY
5	DANIEL	BROWN	05-09-22	48000
11	WILLIAM	JOHNSON	25-06-21	45000

2.) `SELECT * FROM EMPLOYEES1 WHERE HIRE_DATE NOT BETWEEN '01-JAN-2022' AND '31-DEC-2022';`

OUTPUT:-

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY
3	MICHAEL	JOHNSON	15-03-23	
6	LAURA	DAVIS	20-04-23	52000
7	MATTHEW	WILSON	10-12-21	54000
9	OLIVIA	JOHNS	30-05-23	59000
11	WILLIAM	JOHNSON	25-06-21	45000
13	SOPHIA	DAVIS	18-02-23	57000
17	BENJEMIN	DAVIS	02-12-21	53000
18	ELIJHA	WILSON	09-03-23	



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3.) `SELECT * FROM EMPLOYEES1 WHERE EMPLOYEE_ID NOT BETWEEN 1 AND 10;`

OUTPUT:-

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY
11	WILLIAM	JOHNSON	25-06-21	45000
12	AVA	WILLIAMS		
13	SOPHIA	DAVIS	18-02-23	57000
14	JAMES	WILSON		
15	OLIVER	MILLER	12-10-22	51000
16	AMELIA	BROWN		
17	BENJEMIN	DAVIS	02-12-21	53000
18	ELIJHA	WILSON	09-03-23	
19	LUCAS	BROWN	22-06-22	56000
20	MIA	JOHNSON		

4.) `SELECT * FROM EMPLOYEES1 WHERE HIRE_DATE NOT BETWEEN '01-JAN-2022' AND '31-DEC-2022';`

OUTPUT:-

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY
3	MICHAEL	JOHNSON	15-03-23	
6	LAURA	DAVIS	20-04-23	52000
7	MATTHEW	WILSON	10-12-21	54000
9	OLIVIA	JOHNS	30-05-23	59000
11	WILLIAM	JOHNSON	25-06-21	45000
13	SOPHIA	DAVIS	18-02-23	57000
17	BENJEMIN	DAVIS	02-12-21	53000
18	ELIJHA	WILSON	09-03-23	



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Name:=Jainish Barbhaya

Register No:=15618223014

5.) `SELECT * FROM EMPLOYEES1 WHERE SALARY NOT BETWEEN 45000 AND 55000;`

OUTPUT:-

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY
1	JOHN	DOE	01-07-22	60000
9	OLIVIA	JOHNS	30-05-23	59000
13	SOPHIA	DAVIS	18-02-23	57000
19	LUCAS	BROWN	22-06-22	56000

=====IS NOT NULL
OPERATOR=====

1.) `SELECT * FROM EMPLOYEES1 WHERE HIRE_DATE IS NOT NULL;`

OUTPUT:-

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY
1	JOHN	DOE	01-07-22	60000
3	MICHAEL	JOHNSON	15-03-23	
5	DANIEL	BROWN	05-09-22	48000
6	LAURA	DAVIS	20-04-23	52000
7	MATTHEW	WILSON	10-12-21	54000
9	OLIVIA	JOHNS	30-05-23	59000
10	NOAH	SMITH	08-08-22	54000
11	WILLIAM	JOHNSON	25-06-21	45000
13	SOPHIA	DAVIS	18-02-23	57000
15	OLIVER	MILLER	12-10-22	51000
17	BENJEMIN	DAVIS	02-12-21	53000
18	ELIJHA	WILSON	09-03-23	
19	LUCAS	BROWN	22-06-22	56000



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Register No:=15618223014

2.) `SELECT * FROM EMPLOYEES1 WHERE SALARY IS NOT NULL;`

OUTPUT:-

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY
1	JOHN	DOE	01-07-22	60000
2	JANE	SMITH		55000
5	DANIEL	BROWN	05-09-22	48000
6	LAURA	DAVIS	20-04-23	52000
7	MATTHEW	WILSON	10-12-21	54000
9	OLIVIA	JOHNS	30-05-23	59000
10	NOAH	SMITH	08-08-22	54000
11	WILLIAM	JOHNSON	25-06-21	45000
13	SOPHIA	DAVIS	18-02-23	57000
15	OLIVER	MILLER	12-10-22	51000
17	BENJEMIN	DAVIS	02-12-21	53000
19	LUCAS	BROWN	22-06-22	56000

3.) `SELECT * FROM EMPLOYEES1 WHERE FIRST_NAME IS NOT NULL;`

OUTPUT:-

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY
1	JOHN	DOE	01-07-22	60000
2	JANE	SMITH		55000
3	MICHAEL	JOHNSON	15-03-23	
4	EMILY	WILLIAMS		
5	DANIEL	BROWN	05-09-22	48000



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6	LAURA	DAVIS	20-04-23	52000
7	MATTHEW	WILSON	10-12-21	54000
8	EMMA	BROWN		
9	OLIVIA	JOHNS	30-05-23	59000
10	NOAH	SMITH	08-08-22	54000
11	WILLIAM	JOHNSON	25-06-21	45000
12	AVA	WILLIAMS		
13	SOPHIA	DAVIS	18-02-23	57000
14	JAMES	WILSON		

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY
15	OLIVER	MILLER	12-10-22	51000
16	AMELIA	BROWN		
17	BENJEMIN	DAVIS	02-12-21	53000
18	ELIJHA	WILSON	09-03-23	
19	LUCAS	BROWN	22-06-22	56000
20	MIA	JOHNSON		

4.) `SELECT * FROM EMPLOYEES1 WHERE LAST_NAME IS NOT NULL;`

OUTPUT:-

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY
1	JOHN	DOE	01-07-22	60000
2	JANE	SMITH		55000
3	MICHAEL	JOHNSON	15-03-23	
4	EMILY	WILLIAMS		
5	DANIEL	BROWN	05-09-22	48000
6	LAURA	DAVIS	20-04-23	52000
7	MATTHEW	WILSON	10-12-21	54000
8	EMMA	BROWN		
9	OLIVIA	JOHNS	30-05-23	59000



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10	NOAH	SMITH	08-08-22	54000
11	WILLIAM	JOHNSON	25-06-21	45000
12	AVA	WILLIAMS		
13	SOPHIA	DAVIS	18-02-23	57000
14	JAMES	WILSON		

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY
15	OLIVER	MILLER	12-10-22	51000
16	AMELIA	BROWN		
17	BENJEMIN	DAVIS	02-12-21	53000
18	ELIJHA	WILSON	09-03-23	
19	LUCAS	BROWN	22-06-22	56000
20	MIA	JOHNSON		

5.) `SELECT * FROM EMPLOYEES1 WHERE EMPLOYEE_ID IS NOT NULL;`

OUTPUT:-

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY
1	JOHN	DOE	01-07-22	60000
2	JANE	SMITH		55000
3	MICHAEL	JOHNSON	15-03-23	
4	EMILY	WILLIAMS		
5	DANIEL	BROWN	05-09-22	48000
6	LAURA	DAVIS	20-04-23	52000
7	MATTHEW	WILSON	10-12-21	54000
8	EMMA	BROWN		
9	OLIVIA	JOHNS	30-05-23	59000
10	NOAH	SMITH	08-08-22	54000
11	WILLIAM	JOHNSON	25-06-21	45000
12	AVA	WILLIAMS		



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13	SOPHIA	DAVIS	18-02-23	57000
14	JAMES	WILSON		

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY
15	OLIVER	MILLER	12-10-22	51000
16	AMELIA	BROWN		
17	BENJEMIN	DAVIS	02-12-21	53000
18	ELIJHA	WILSON	09-03-23	
19	LUCAS	BROWN	22-06-22	56000
20	MIA	JOHNSON		

=====IS NOT NAN
OPERATOR=====

1.) **SELECT * FROM EMPLOYEES1 WHERE SALARY IS NOT NAN;**

OUTPUT:-

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY
1	JOHN	DOE	01-07-22	60000
2	JANE	SMITH		55000
5	DANIEL	BROWN	05-09-22	48000
6	LAURA	DAVIS	20-04-23	52000
7	MATTHEW	WILSON	10-12-21	54000
9	OLIVIA	JOHNS	30-05-23	59000
10	NOAH	SMITH	08-08-22	54000
11	WILLIAM	JOHNSON	25-06-21	45000
13	SOPHIA	DAVIS	18-02-23	57000
15	OLIVER	MILLER	12-10-22	51000
17	BENJEMIN	DAVIS	02-12-21	53000
19	LUCAS	BROWN	22-06-22	56000



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Name:=Jainish Barbhaya

Register No:=15618223014

2.) `SELECT * FROM EMPLOYEES1 WHERE SALARY IS NOT NAN;`

OUTPUT:-

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY
1	JOHN	DOE	01-07-22	60000
2	JANE	SMITH		55000
5	DANIEL	BROWN	05-09-22	48000
6	LAURA	DAVIS	20-04-23	52000
7	MATTHEW	WILSON	10-12-21	54000
9	OLIVIA	JOHNS	30-05-23	59000
10	NOAH	SMITH	08-08-22	54000
11	WILLIAM	JOHNSON	25-06-21	45000
13	SOPHIA	DAVIS	18-02-23	57000
15	OLIVER	MILLER	12-10-22	51000
17	BENJEMIN	DAVIS	02-12-21	53000
19	LUCAS	BROWN	22-06-22	56000

3.) `SELECT * FROM EMPLOYEES1 WHERE FIRST_NAME IS NOT NULL;`

OUTPUT:-

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY
1	JOHN	DOE	01-07-22	60000
2	JANE	SMITH		55000
3	MICHAEL	JOHNSON	15-03-23	
4	EMILY	WILLIAMS		
5	DANIEL	BROWN	05-09-22	48000
6	LAURA	DAVIS	20-04-23	52000
7	MATTHEW	WILSON	10-12-21	54000
8	EMMA	BROWN		
9	OLIVIA	JOHNS	30-05-23	59000



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10	NOAH	SMITH	08-08-22	54000
11	WILLIAM	JOHNSON	25-06-21	45000
12	AVA	WILLIAMS		
13	SOPHIA	DAVIS	18-02-23	57000
14	JAMES	WILSON		

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY
15	OLIVER	MILLER	12-10-22	51000
16	AMELIA	BROWN		
17	BENJEMIN	DAVIS	02-12-21	53000
18	ELIJHA	WILSON	09-03-23	
19	LUCAS	BROWN	22-06-22	56000
20	MIA	JOHNSON		

4.) `SELECT * FROM EMPLOYEES1 WHERE LAST_NAME IS NOT NULL;`

OUTPUT:-

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY
1	JOHN	DOE	01-07-22	60000
2	JANE	SMITH		55000
3	MICHAEL	JOHNSON	15-03-23	
4	EMILY	WILLIAMS		
5	DANIEL	BROWN	05-09-22	48000
6	LAURA	DAVIS	20-04-23	52000
7	MATTHEW	WILSON	10-12-21	54000
8	EMMA	BROWN		
9	OLIVIA	JOHNS	30-05-23	59000
10	NOAH	SMITH	08-08-22	54000
11	WILLIAM	JOHNSON	25-06-21	45000
12	AVA	WILLIAMS		



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13	SOPHIA	DAVIS	18-02-23	57000
14	JAMES	WILSON		

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY
15	OLIVER	MILLER	12-10-22	51000
16	AMELIA	BROWN		
17	BENJEMIN	DAVIS	02-12-21	53000
18	ELIJHA	WILSON	09-03-23	
19	LUCAS	BROWN	22-06-22	56000
20	MIA	JOHNSON		

5.) `SELECT * FROM EMPLOYEES1 WHERE EMPLOYEE_ID IS NOT NAN;`

OUTPUT:-

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY
1	JOHN	DOE	01-07-22	60000
2	JANE	SMITH		55000
3	MICHAEL	JOHNSON	15-03-23	
4	EMILY	WILLIAMS		
5	DANIEL	BROWN	05-09-22	48000
6	LAURA	DAVIS	20-04-23	52000
7	MATTHEW	WILSON	10-12-21	54000
8	EMMA	BROWN		
9	OLIVIA	JOHNS	30-05-23	59000
10	NOAH	SMITH	08-08-22	54000
11	WILLIAM	JOHNSON	25-06-21	45000
12	AVA	WILLIAMS		
13	SOPHIA	DAVIS	18-02-23	57000
14	JAMES	WILSON		

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY
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Name:=Jainish Barbhaya

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15	OLIVER	MILLER	12-10-22	51000
16	AMELIA	BROWN		
17	BENJEMIN	DAVIS	02-12-21	53000
18	ELIJHA	WILSON	09-03-23	
19	LUCAS	BROWN	22-06-22	56000
20	MIA	JOHNSON		

=====IS NOT INFINITE
OPERATORS=====

1.) `SELECT * FROM EMPLOYEES1 WHERE SALARY IS NOT INFINITE;`

OUTPUT:-

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY
1	JOHN	DOE	01-07-22	60000
2	JANE	SMITH		55000
5	DANIEL	BROWN	05-09-22	48000
6	LAURA	DAVIS	20-04-23	52000
7	MATTHEW	WILSON	10-12-21	54000
9	OLIVIA	JOHNS	30-05-23	59000
10	NOAH	SMITH	08-08-22	54000
11	WILLIAM	JOHNSON	25-06-21	45000
13	SOPHIA	DAVIS	18-02-23	57000
15	OLIVER	MILLER	12-10-22	51000
17	BENJEMIN	DAVIS	02-12-21	53000
19	LUCAS	BROWN	22-06-22	56000

2.) `SELECT * FROM EMPLOYEES1 WHERE SALARY IS NOT INFINITE;`

OUTPUT:-



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Name:=Jainish Barbhaya

Register No:=15618223014

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY
1	JOHN	DOE	01-07-22	60000
2	JANE	SMITH		55000
5	DANIEL	BROWN	05-09-22	48000
6	LAURA	DAVIS	20-04-23	52000
7	MATTHEW	WILSON	10-12-21	54000
9	OLIVIA	JOHNS	30-05-23	59000
10	NOAH	SMITH	08-08-22	54000
11	WILLIAM	JOHNSON	25-06-21	45000
13	SOPHIA	DAVIS	18-02-23	57000
15	OLIVER	MILLER	12-10-22	51000
17	BENJEMIN	DAVIS	02-12-21	53000
19	LUCAS	BROWN	22-06-22	56000

3.) `SELECT * FROM EMPLOYEES1 WHERE HIRE_DATE IS NOT NULL;`

OUTPUT:-

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY
1	JOHN	DOE	01-07-22	60000
3	MICHAEL	JOHNSON	15-03-23	
5	DANIEL	BROWN	05-09-22	48000
6	LAURA	DAVIS	20-04-23	52000
7	MATTHEW	WILSON	10-12-21	54000
9	OLIVIA	JOHNS	30-05-23	59000
10	NOAH	SMITH	08-08-22	54000
11	WILLIAM	JOHNSON	25-06-21	45000
13	SOPHIA	DAVIS	18-02-23	57000
15	OLIVER	MILLER	12-10-22	51000
17	BENJEMIN	DAVIS	02-12-21	53000
18	ELIJHA	WILSON	09-03-23	
19	LUCAS	BROWN	22-06-22	56000



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4.) `SELECT * FROM EMPLOYEES1 WHERE FIRST_NAME IS NOT NULL;`

OUTPUT:-

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY
1	JOHN	DOE	01-07-22	60000
2	JANE	SMITH		55000
3	MICHAEL	JOHNSON	15-03-23	
4	EMILY	WILLIAMS		
5	DANIEL	BROWN	05-09-22	48000
6	LAURA	DAVIS	20-04-23	52000
7	MATTHEW	WILSON	10-12-21	54000
8	EMMA	BROWN		
9	OLIVIA	JOHNS	30-05-23	59000
10	NOAH	SMITH	08-08-22	54000
11	WILLIAM	JOHNSON	25-06-21	45000
12	AVA	WILLIAMS		
13	SOPHIA	DAVIS	18-02-23	57000
14	JAMES	WILSON		

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY
15	OLIVER	MILLER	12-10-22	51000
16	AMELIA	BROWN		
17	BENJEMIN	DAVIS	02-12-21	53000
18	ELIJHA	WILSON	09-03-23	
19	LUCAS	BROWN	22-06-22	56000
20	MIA	JOHNSON		

5.) `SELECT * FROM EMPLOYEES1 WHERE EMPLOYEE_ID IS NOT INFINITE;`



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OUTPUT:-

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY
1	JOHN	DOE	01-07-22	60000
2	JANE	SMITH		55000
3	MICHAEL	JOHNSON	15-03-23	
4	EMILY	WILLIAMS		
5	DANIEL	BROWN	05-09-22	48000
6	LAURA	DAVIS	20-04-23	52000
7	MATTHEW	WILSON	10-12-21	54000
8	EMMA	BROWN		
9	OLIVIA	JOHNS	30-05-23	59000
10	NOAH	SMITH	08-08-22	54000
11	WILLIAM	JOHNSON	25-06-21	45000
12	AVA	WILLIAMS		
13	SOPHIA	DAVIS	18-02-23	57000
14	JAMES	WILSON		

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY
15	OLIVER	MILLER	12-10-22	51000
16	AMELIA	BROWN		
17	BENJEMIN	DAVIS	02-12-21	53000
18	ELIJHA	WILSON	09-03-23	
19	LUCAS	BROWN	22-06-22	56000
20	MIA	JOHNSON		

=====LOGICAL OPERATOR=====

```
1.) SELECT * FROM EMPLOYEES1 WHERE SALARY > 50000 AND HIRE_DATE  
> '01-JAN-2022';
```

OUTPUT:



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EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY
1	JOHN	DOE	01-07-22	60000
6	LAURA	DAVIS	20-04-23	52000
9	OLIVIA	JOHNS	30-05-23	59000
10	NOAH	SMITH	08-08-22	54000
13	SOPHIA	DAVIS	18-02-23	57000
15	OLIVER	MILLER	12-10-22	51000
19	LUCAS	BROWN	22-06-22	56000

```
2.) SELECT * FROM EMPLOYEES1 WHERE SALARY > 60000 AND HIRE_DATE  
<'01-JAN-2021';
```

OUTPUT:-

no rows selected

```
3.) SELECT * FROM EMPLOYEES1 WHERE SALARY > 50000 AND LAST_NAME LIKE 'S%';
```

OUTPUT:-

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY
2	JANE	SMITH		55000
10	NOAH	SMITH	08-08-22	54000

```
4.) SELECT * FROM EMPLOYEES1 WHERE HIRE_DATE IS NULL OR SALARY < 40000;
```

OUTPUT:-

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY
2	JANE	SMITH		55000



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4	EMILY	WILLIAMS
8	EMMA	BROWN
12	AVA	WILLIAMS
14	JAMES	WILSON
16	AMELIA	BROWN
20	MIA	JOHNSON

```
5.) SELECT * FROM EMPLOYEES1 WHERE SALARY > 55000 AND FIRST_NAME NOT LIKE 'JANE';
```

OUTPUT:

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY
1	JOHN	DOE	01-07-22	60000
9	OLIVIA	JOHNS	30-05-23	59000
13	SOPHIA	DAVIS	18-02-23	57000
19	LUCAS	BROWN	22-06-22	56000

=====TABLE
ALIASING=====

```
1.) SELECT FIRST_NAME || ' ' || LAST_NAME AS NAME FROM EMPLOYEES1;
```

OUTPUT:-

NAME
JOHN DOE
JANE SMITH
MICHAEL JOHNSON
EMILY WILLIAMS
DANIEL BROWN
LAURA DAVIS



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MATTHEW WILSON
EMMA BROWN
OLIVIA JOHNS
NOAH SMITH
WILLIAM JOHNSON
AVA WILLIAMS
SOPHIA DAVIS
JAMES WILSON

NAME

OLIVER MILLER
AMELIA BROWN
BENJEMIN DAVIS
ELIJHA WILSON
LUCAS BROWN
MIA JOHNSON

```
2.) SELECT HIRE_DATE || ' ' || SALARY AS EMPLOYEE_DETAIL FROM EMPLOYEES1;
```

OUTPUT:-

EMPLOYEE_DETAIL

01-07-22 60000
55000
15-03-23

05-09-22 48000
20-04-23 52000
10-12-21 54000

30-05-23 59000



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08-08-22 54000

25-06-21 45000

18-02-23 57000

EMPLOYEE_DETAIL

12-10-22 51000

02-12-21 53000

09-03-23

22-06-22 56000

3.) **SELECT** EMPLOYEE_ID || ' ' || HIRE_DATE **AS** ID_DATE **FROM** EMPLOYEES1;

OUTPUT:-

ID_DATE

1 01-07-22

2

3 15-03-23

4

5 05-09-22

6 20-04-23

7 10-12-21

8

9 30-05-23

10 08-08-22

11 25-06-21

12

13 18-02-23



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14

ID_DATE

15 12-10-22

16

17 02-12-21

18 09-03-23

19 22-06-22

20

4.) `SELECT LAST_NAME || ' ' || SALARY AS LAST_SALARY FROM EMPLOYEES1;`

OUTPUT:-

LAST_SALARY

DOE 60000

SMITH 55000

JOHNSON

WILLIAMS

BROWN 48000

DAVIS 52000

WILSON 54000

BROWN

JOHNS 59000

SMITH 54000

JOHNSON 45000

WILLIAMS

DAVIS 57000

WILSON

LAST_SALARY



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Name:=Jainish Barbhaya

Register No:=15618223014

MILLER 51000

BROWN

DAVIS 53000

WILSON

BROWN 56000

JOHNSON

5.) `SELECT FIRST_NAME || ' ' || HIRE_DATE AS FIRST_DATE FROM EMPLOYEES1;`

OUTPUT:-

FIRST_DATE

JOHN 01-07-22

JANE

MICHAEL 15-03-23

EMILY

DANIEL 05-09-22

LAURA 20-04-23

MATTHEW 10-12-21

EMMA

OLIVIA 30-05-23

NOAH 08-08-22

WILLIAM 25-06-21

AVA

SOPHIA 18-02-23

JAMES

FIRST_DATE

OLIVER 12-10-22

AMELIA

BENJEMIN 02-12-21



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Name:=Jainish Barbhaya

Register No:=15618223014

ELIJHA 09-03-23

LUCAS 22-06-22

MIA

=====COLUMN

ALIASING=====

1.) **SELECT** EMPLOYEE_ID **AS** EMPLOYEEID **FROM** EMPLOYEES1;

OUTPUT:-

EMPLOYEEID

1
2
3
4
5
6
7
8
9
10
11
12
13
14

EMPLOYEEID

15
16
17
18



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Name:=Jainish Barbhaya

Register No:=15618223014

19

20

```
2.) SELECT FIRST_NAME || ' ' || LAST_NAME AS FULL_NAME FROM EMPLOYEES1;
```

OUTPUT:-

FULL_NAME
JOHN DOE
JANE SMITH
MICHAEL JOHNSON
EMILY WILLIAMS
DANIEL BROWN
LAURA DAVIS
MATTHEW WILSON
EMMA BROWN
OLIVIA JOHNS
NOAH SMITH
WILLIAM JOHNSON
AVA WILLIAMS
SOPHIA DAVIS
JAMES WILSON

FULL_NAME
OLIVER MILLER
AMELIA BROWN
BENJEMIN DAVIS
ELIJHA WILSON
LUCAS BROWN
MIA JOHNSON

```
3.) SELECT HIRE_DATE AS JOIN_DATE FROM EMPLOYEES1;
```



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Register No:=15618223014

OUTPUT:-

JOIN_DATE

01-07-22

15-03-23

05-09-22

20-04-23

10-12-21

30-05-23

08-08-22

25-06-21

18-02-23

JOIN_DATE

12-10-22

02-12-21

09-03-23

22-06-22

4.) **SELECT** SALARY **AS** INCOME **FROM** EMPLOYEES1;

OUTPUT:-

INCOME



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Register No:=15618223014

60000

55000

48000

52000

54000

59000

54000

45000

57000

INCOME

51000

53000

56000

```
5.) SELECT LAST_NAME || ' ' || SALARY AS DETAIL FROM EMPLOYEES1;
```

OUTPUT:-

DETAIL

DOE 60000

SMITH 55000

JOHNSON

WILLIAMS



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Name:=Jainish Barbhaya

Register No:=15618223014

BROWN 48000

DAVIS 52000

WILSON 54000

BROWN

JOHNS 59000

SMITH 54000

JOHNSON 45000

WILLIAMS

DAVIS 57000

WILSON

DETAIL

MILLER 51000

BROWN

DAVIS 53000

WILSON

BROWN 56000

JOHNSON