



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);
```

1



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

```
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); 2
```



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

```
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 3
```



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

```
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

4



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

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

5



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

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

6



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

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

7



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

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

```

8



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

```

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 ELIJHA 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
9				



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

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		

10



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

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 11

```



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

```

_____ 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:-

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
		MICHAEL	JOHNSON	15-03-23
4	EMILY	WILLIAMS		
10	NOAH	SMITH	08-08-22	54000
11	WILLIAM	JOHNSON	25-06-21	



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

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;
```

13



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

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

14



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

```
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:-

15



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

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	ELIJAH	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;
```

16



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

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



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

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
18				



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

1	JOHN	DOE	01-07-22	60000
2	JANE	SMITH		55000
5	DANIEL	BROWN	05-09-22	48000

```

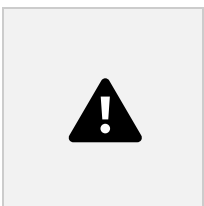
6 LAURA DAVIS 20-04-23 52000
7 MATTHEW WILSON 10-12-21 54000
9 OLIVIA JOHNS 30-05-23 59000
10 NOAH SMITH 08-08-22 54000
11 WILLIAM JOHNSON 25-06-21 45000
13 SOPHIA DAVIS 18-02-23 57000
15 OLIVER MILLER 12-10-22 51000
17 BENJEMIN DAVIS 02-12-21 53000
19 LUCAS BROWN 22-06-22 56000

```

=====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



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

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		



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

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

```



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:-



Name:=Jainish Barbhaya
Register No:=15618223014

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	ELIJAH	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



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



Department of Computer Application

Master of Computer Application

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

Name:-Jainish Barbhaya

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
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
```



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

```
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
```



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

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



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

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

```

28



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

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

29



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

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

30



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

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
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:-

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

```

31



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

```

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

32



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

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

33



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

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		

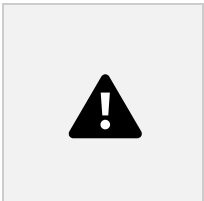
EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY
15	OLIVER	MILLER	12-10-22	51000
16	AMELIA	BROWN		
17	BENJEMIN	DAVIS	02-12-21	53000
18	ELIJAH	WILSON	09-03-23	
19	LUCAS	BROWN	22-06-22	56000
20	MIA	JOHNSON		

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		

34



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

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		


```
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:-

36



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

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

```

37



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

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;` 38



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

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:

39



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

```

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

```



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

```

       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

```



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

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



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

```
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
```



Name:=Jainish Barbhaya
Register No:=15618223014

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



Master of Computer Application

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

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



Faculty of Science
Department of Computer Application
Master of Computer Application
Code :- 23MCACC107 | Subject-Name:- Databases Enterprise Applications
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



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

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;
```



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

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

48



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

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

49



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

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

