

# Experiment 3

**Name :** Omkar kore

**Class :** BTech C

**Roll NO :** BTC19

**Batch :** C1

```
CREATE TABLE empnew(  
    empno INT PRIMARY KEY,  
    empname VARCHAR(50),  
    empcity VARCHAR(50),  
    esalary INT  
);
```

INSERT ALL

INTO empnew (empno, empname, empcity, esalary) VALUES (1, 'Alice Johnson', 'New York', 75000)

INTO empnew (empno, empname, empcity, esalary) VALUES (2, 'Bob Smith', 'Chicago', 68000)

INTO empnew (empno, empname, empcity, esalary) VALUES (3, 'Charlie Brown', 'Los Angeles', 72000)

INTO empnew (empno, empname, empcity, esalary) VALUES (4, 'Diana Prince', 'San Francisco', 82000)

INTO empnew (empno, empname, empcity, esalary) VALUES (5, 'Ethan Hunt', 'Boston', 70000)

INTO empnew (empno, empname, empcity, esalary) VALUES (6, 'Fiona Glenanne', 'Miami', 69000)

INTO empnew (empno, empname, empcity, esalary) VALUES (7, 'George Martin', 'Seattle', 71000)

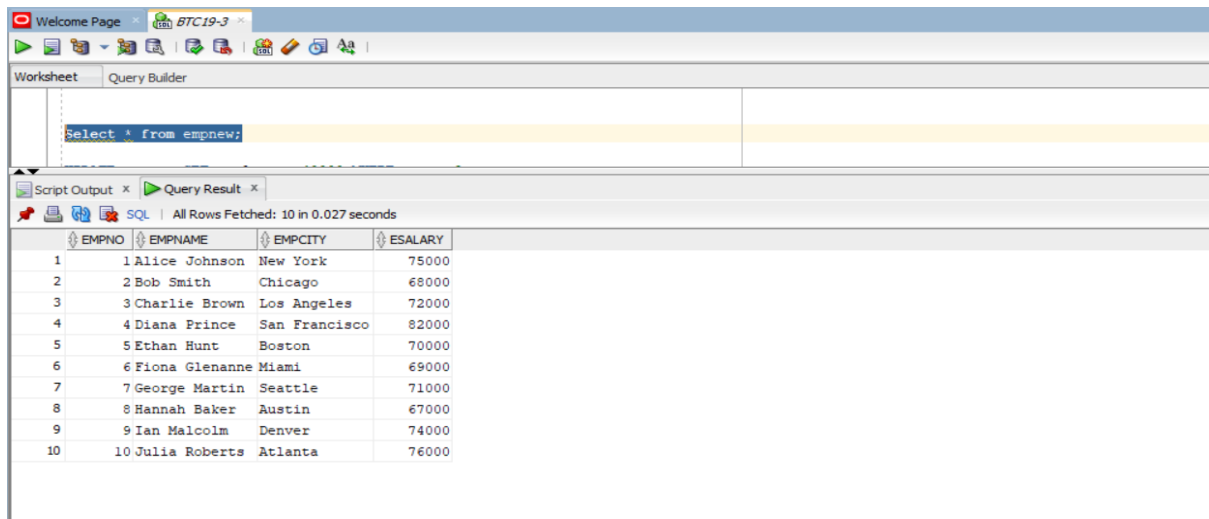
INTO empnew (empno, empname, empcity, esalary) VALUES (8, 'Hannah Baker', 'Austin', 67000)

INTO empnew (empno, empname, empcity, esalary) VALUES (9, 'Ian Malcolm', 'Denver', 74000)

```
INTO empnew (empno, empname, empcity, esalary) VALUES (10, 'Julia Roberts', 'Atlanta', 76000)
```

```
SELECT * FROM dual;
```

**Select \* from empnew;**



The screenshot shows the SQL Developer interface with the 'Query Builder' tab active. The query 'Select \* from empnew;' is entered in the SQL area. The 'Query Result' tab displays the results of the query, showing 10 rows of data from the 'empnew' table. The columns are EMPNO, EMPNAME, EMPCITY, and ESALARY.

EMPNO	EMPNAME	EMPCITY	ESALARY
1	Alice Johnson	New York	75000
2	Bob Smith	Chicago	68000
3	Charlie Brown	Los Angeles	72000
4	Diana Prince	San Francisco	82000
5	Ethan Hunt	Boston	70000
6	Fiona Glenanne	Miami	69000
7	George Martin	Seattle	71000
8	Hannah Baker	Austin	67000
9	Ian Malcolm	Denver	74000
10	Julia Roberts	Atlanta	76000

```
UPDATE empnew SET esalary = 40000 WHERE empno=3;
```

```
CREATE TABLE Hfrag1 AS
```

```
SELECT * FROM empnew
```

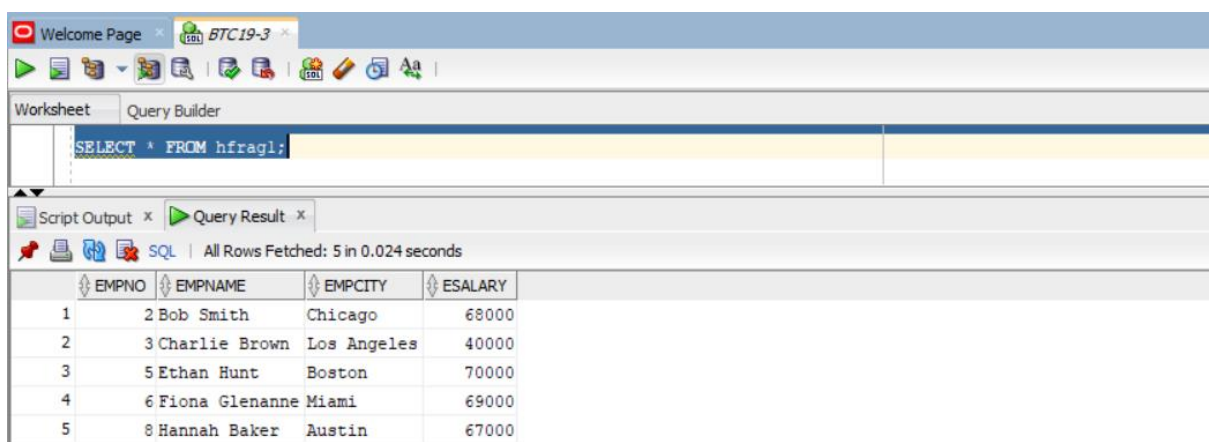
```
WHERE esalary <= 70000;
```

```
CREATE TABLE Hfrag2 AS
```

```
SELECT * FROM empnew
```

```
WHERE esalary > 70000;
```

**SELECT \* FROM hfrag1;**



The screenshot shows the SQL Developer interface with the 'Query Builder' tab active. The query 'SELECT \* FROM hfrag1;' is entered in the SQL area. The 'Query Result' tab displays the results of the query, showing 5 rows of data from the 'Hfrag1' table. The columns are EMPNO, EMPNAME, EMPCITY, and ESALARY.

EMPNO	EMPNAME	EMPCITY	ESALARY
1	2 Bob Smith	Chicago	68000
2	3 Charlie Brown	Los Angeles	40000
3	5 Ethan Hunt	Boston	70000
4	6 Fiona Glenanne	Miami	69000
5	8 Hannah Baker	Austin	67000

**SELECT \* FROM hfrag2;**

The screenshot shows a database query tool interface. The top bar includes a 'Welcome Page' tab and a 'BTC19-3' tab. Below the toolbar, the 'Worksheet' tab is active, displaying the query `SELECT * FROM hfrag2;`. The 'Query Result' tab is also visible, showing the results of the query. The results are displayed in a table with the following columns: EMPNO, EMPNAME, EMPCTY, and ESALARY. The data is as follows:

EMPNO	EMPNAME	EMPCTY	ESALARY
1	Alice Johnson	New York	75000
2	Diana Prince	San Francisco	82000
3	George Martin	Seattle	71000
4	Ian Malcolm	Denver	74000
5	Julia Roberts	Atlanta	76000

**CREATE TABLE Vfrag1 AS**

**SELECT empno, empname FROM empnew;**

**CREATE TABLE Vfrag2 AS**

**SELECT empno, empcty, esalary FROM empnew;**

**SELECT \* FROM vfrag1;**

The screenshot shows a database query tool interface. The top bar includes a 'Welcome Page' tab and a 'BTC19-3' tab. Below the toolbar, the 'Worksheet' tab is active, displaying the following SQL script:

```
CREATE TABLE Vfrag1 AS
SELECT empno, empname FROM empnew;

CREATE TABLE Vfrag2 AS
SELECT empno, empcty, esalary FROM empnew;

SELECT * FROM vfrag1;
```

The 'Query Result' tab is also visible, showing the results of the query. The results are displayed in a table with the following columns: EMPNO and EMPNAME. The data is as follows:

EMPNO	EMPNAME
1	Alice Johnson
2	Bob Smith
3	Charlie Brown
4	Diana Prince
5	Ethan Hunt
6	Fiona Glenanne
7	George Martin
8	Hannah Baker
9	Ian Malcolm
10	Julia Roberts

**SELECT \* FROM vfrag2;**

The screenshot shows the SQL Developer interface with a script containing two CREATE TABLE statements and a SELECT statement. The query results are displayed in a table with columns EMPNO, EMPCTY, and ES...

```
CREATE TABLE Vfrag1 AS
SELECT empno, empname FROM empnew;

CREATE TABLE Vfrag2 AS
SELECT empno, empcty, esalary FROM empnew;

SELECT * FROM vfrag2;
```

EMPNO	EMPCTY	ES...
1	1 New York	75000
2	2 Chicago	68000
3	3 Los Angeles	40000
4	4 San Francisco	82000
5	5 Boston	70000
6	6 Miami	69000
7	7 Seattle	71000
8	8 Austin	67000
9	9 Denver	74000
10	10 Atlanta	76000

**-- query 1**

**SELECT empno , esalary FROM hfrag1**

**UNION ALL**

**SELECT empno ,esalary FROM hfrag2;**

The screenshot shows the SQL Developer interface with a script containing two queries. The query results are displayed in a table with columns EMPNO and ESALARY.

```
-- query 1
SELECT empno , esalary FROM hfrag1
UNION ALL
SELECT empno ,esalary FROM hfrag2;

-- query2
SELECT e.empname , e.empno
FROM hfrag1 e
```

EMPNO	ESALARY
1	2 68000
2	3 40000
3	5 70000
4	6 69000
5	8 67000
6	1 75000
7	4 82000
8	7 71000
9	9 74000
10	10 76000

-- query2

SELECT e.empname , e.empno

FROM hfrag1 e

JOIN vfrag2 d ON e.empno = d.empno

WHERE d.esalary = 70000;

The screenshot shows the SQL Developer interface with the 'Query Builder' tab active. The query editor contains the following SQL code:

```
SELECT empno ,esalary FROM hfrag2;

-- query2
SELECT e.empname , e.empno
FROM hfrag1 e
JOIN vfrag2 d ON e.empno = d.empno
WHERE d.esalary = 70000;

--query 3 empname and city
```

The 'Script Output' tab shows the execution results:

EMPNAME	EMPNO
1 Ethan Hunt	5

--query 3

SELECT e.empname , d.empcity

FROM vfrag1 e

JOIN vfrag2 d ON e.empno = d.empno

WHERE d.esalary BETWEEN 70000 AND 90000;

The screenshot shows the SQL Developer interface with the 'Query Builder' tab active. The query editor contains the following SQL code:

```
WHERE d.esalary = 70000;

--query 3 empname and city
SELECT e.empname , d.empcity
FROM vfrag1 e
JOIN vfrag2 d ON e.empno = d.empno
WHERE d.esalary BETWEEN 70000 AND 90000;

--query4
```

The 'Script Output' tab shows the execution results:

EMPNAME	EMPCITY
1 Alice Johnson	New York
2 Diana Prince	San Francisco
3 Ethan Hunt	Boston
4 George Martin	Seattle
5 Ian Malcolm	Denver
6 Julia Roberts	Atlanta

--query4

SELECT e.empname , d.empcity

FROM hfrag1 e

JOIN vfrag2 d ON e.empno = d.empno

WHERE e.empno=5;

The screenshot shows a SQL query editor window titled 'Welcome Page' and 'BTC19-3'. The query is as follows:

```
JOIN vfrag2 d ON e.empno = d.empno
WHERE d.esalary BETWEEN 70000 AND 90000;

--query4
SELECT e.empname , d.empcity
FROM hfrag1 e
JOIN vfrag2 d ON e.empno = d.empno
WHERE e.empno=5;
```

Below the query editor, the 'Script Output' tab is active, showing the query results. The results are displayed in a table with two columns: EMPNAME and EMPCITY. The first row shows '1 Ethan Hunt Boston'.

EMPNAME	EMPCITY
1 Ethan Hunt	Boston