

Experiment 3

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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)
```

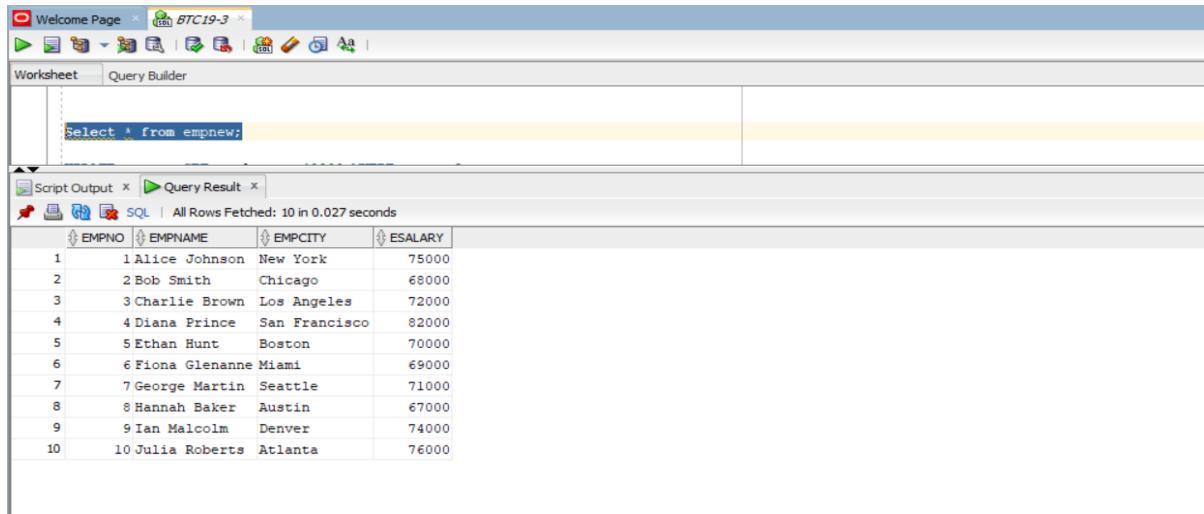
```
    INTO empnew (empno, empname, empcity, esalary) VALUES (8, 'Hannah Baker', 'Austin', 67000)
```

```
    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 Oracle SQL Developer interface. The 'Worksheet' tab is active, displaying the query 'Select * from empnew;'. Below the worksheet is the 'Query Result' tab, which shows the following data:

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
```

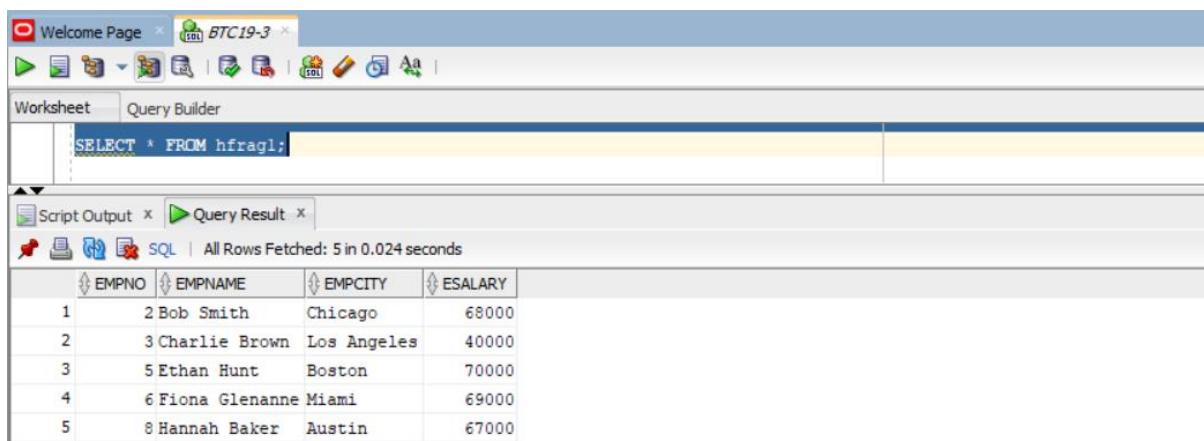
```
WHERE esalary <= 70000;
```

```
CREATE TABLE Hfrag2 AS
```

```
SELECT * FROM empnew
```

```
WHERE esalary > 70000;
```

```
SELECT * FROM hfrag1;
```



The screenshot shows the Oracle SQL Developer interface. The 'Worksheet' tab is active, displaying the query 'SELECT * FROM hfrag1;'. Below the worksheet is the 'Query Result' tab, which shows the following data:

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

```
SELECT * FROM hfrag2;
```

The screenshot shows the Oracle SQL Developer interface. The top menu bar has tabs for 'Welcome Page' and 'BTC19-3'. Below the menu is a toolbar with various icons. The main area has two tabs: 'Worksheet' and 'Query Builder', with 'Worksheet' selected. In the worksheet pane, the query `SELECT * FROM hfrag2;` is entered. Below the worksheet is a 'Script Output' tab and a 'Query Result' tab. The 'Query Result' tab is active, showing the output of the query:

	EMPNO	EMPNAME	EMPCITY	ESALARY
1	1	Alice Johnson	New York	75000
2	4	Diana Prince	San Francisco	82000
3	7	George Martin	Seattle	71000
4	9	Ian Malcolm	Denver	74000
5	10	Julia Roberts	Atlanta	76000

```
CREATE TABLE Vfrag1 AS
```

```
SELECT empno, empname FROM empnew;
```

```
CREATE TABLE Vfrag2 AS
```

```
SELECT empno, empcity, esalary FROM empnew;
```

```
SELECT * FROM vfrag1;
```

The screenshot shows the Oracle SQL Developer interface. The top menu bar has tabs for 'Welcome Page' and 'BTC19-3'. Below the menu is a toolbar with various icons. The main area has two tabs: 'Worksheet' and 'Query Builder', with 'Worksheet' selected. In the worksheet pane, the following SQL code is entered:

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

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

SELECT * FROM vfrag1;
```

Below the worksheet is a 'Script Output' tab and a 'Query Result' tab. The 'Query Result' tab is active, showing the output of the query:

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

```
SELECT * FROM vfrag2;
```

The screenshot shows the Oracle SQL Developer interface. In the top-left pane, there is a script editor window titled "Worksheet" containing the following SQL code:

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

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

SELECT * FROM vfrag2;
```

In the bottom-right pane, there is a "Query Result" tab showing the output of the last query:

	EMPNO	EMPCITY	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

The status bar at the bottom indicates "All Rows Fetched: 10 in 0.024 seconds".

-- query 1

```
SELECT empno , esalary FROM hfrag1
```

```
UNION ALL
```

```
SELECT empno ,esalary FROM hfrag2;
```

The screenshot shows the Oracle SQL Developer interface. In the top-left pane, there is a script editor window titled "Worksheet" containing the following SQL code:

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

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

In the bottom-right pane, there is a "Query Result" tab showing the output of the last query:

	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

The status bar at the bottom indicates "All Rows Fetched: 10 in 0.011 seconds".

-- 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 Oracle SQL Developer interface. The top bar has tabs for 'Welcome Page' and 'BTC19-3'. Below the bar are various icons for navigating and managing sessions. The main area is divided into two panes: 'Worksheet' and 'Query Builder'. In the Worksheet pane, the query is written:

```
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
```

Below the worksheet, there are tabs for 'Script Output', 'Query Result', 'Query Result 1', and 'Query Result 2'. The 'Query Result 2' tab is active, showing the output:

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 Oracle SQL Developer interface. The top bar has tabs for 'Welcome Page' and 'BTC19-3'. Below the bar are various icons for navigating and managing sessions. The main area is divided into two panes: 'Worksheet' and 'Query Builder'. In the Worksheet pane, the query is written:

```
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
```

Below the worksheet, there are tabs for 'Script Output', 'Query Result', 'Query Result 1', 'Query Result 2', and 'Query Result 3'. The 'Query Result 3' tab is active, showing the output:

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 the Oracle SQL Developer interface. The top bar displays 'Welcome Page' and 'BTC19-3'. The toolbar includes various icons for database navigation and operations. The main area has tabs for 'Worksheet' and 'Query Builder'. The 'Worksheet' tab is active, showing the following code:

```
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 code, the status bar indicates 'All Rows Fetched: 1 in 0.012 seconds'. The results viewer shows a single row:

EMPNAME	EMPCITY
1 Ethan	Hunt Boston