

## Experiment 5

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Subject Name:- Business Analytics

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**Aim of Experiment:-** Implement appropriate analytical methods to find solutions.

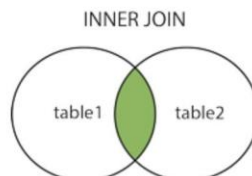
1. How do you perform an inner join in SQL?

### SQL INNER JOIN Keyword

The **INNER JOIN** keyword selects records that have matching values in both tables.

#### INNER JOIN Syntax

```
SELECT column_name(s)
FROM table1
INNER JOIN table2
ON table1.column_name = table2.column_name;
```



## 2. How do you perform a left join in SQL?

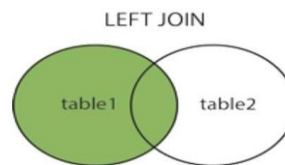
### SQL LEFT JOIN Keyword

The **LEFT JOIN** keyword returns all records from the left table (table1), and the matching records from the right table (table2). The result is 0 records from the right side, if there is no match.

#### LEFT JOIN Syntax

```
SELECT column_name(s)
FROM table1
LEFT JOIN table2
ON table1.column_name = table2.column_name;
```

**Note:** In some databases LEFT JOIN is called LEFT OUTER JOIN.



## 3. How do you perform a right join in SQL?

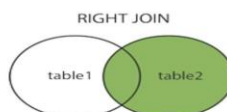
### SQL RIGHT JOIN Keyword

The **RIGHT JOIN** keyword returns all records from the right table (table2), and the matching records from the left table (table1). The result is 0 records from the left side, if there is no match.

#### RIGHT JOIN Syntax

```
SELECT column_name(s)
FROM table1
RIGHT JOIN table2
ON table1.column_name = table2.column_name;
```

**Note:** In some databases **RIGHT JOIN** is called **RIGHT OUTER JOIN**.



#### 4. How do you perform a full outer join in SQL?

### SQL FULL OUTER JOIN Keyword

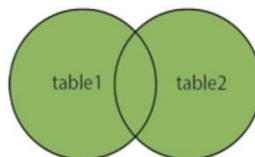
The **FULL OUTER JOIN** keyword returns all records when there is a match in left (table1) or right (table2) table records.

**Tip:** **FULL OUTER JOIN** and **FULL JOIN** are the same.

#### FULL OUTER JOIN Syntax

```
SELECT column_name(s)
FROM table1
FULL OUTER JOIN table2
ON table1.column_name = table2.column_name
WHERE condition;
```

FULL OUTER JOIN



**Note:** **FULL OUTER JOIN** can potentially return very large result-sets!