

CODTECH Internship

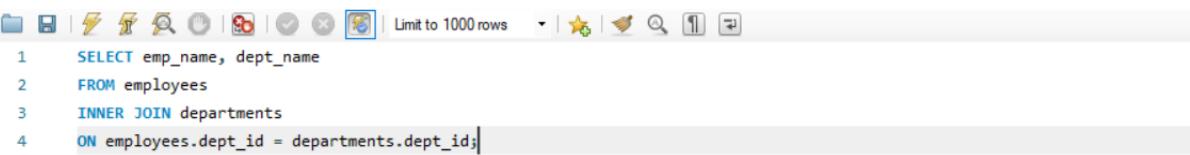
TASK 1

**SQL Join
Implementation**

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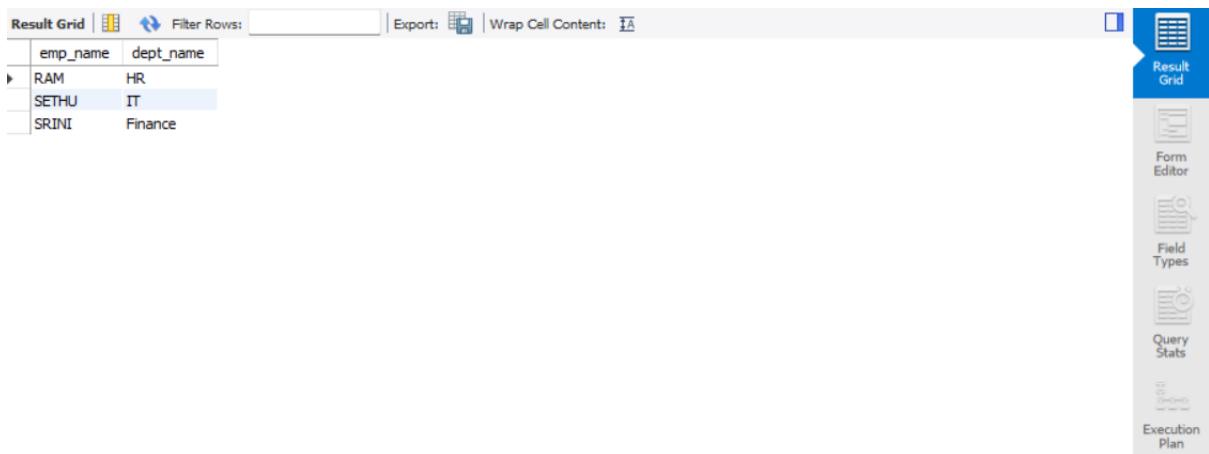
1. Inner Join:

Query:



```
1  SELECT emp_name, dept_name
2  FROM employees
3  INNER JOIN departments
4  ON employees.dept_id = departments.dept_id;
```

Output:

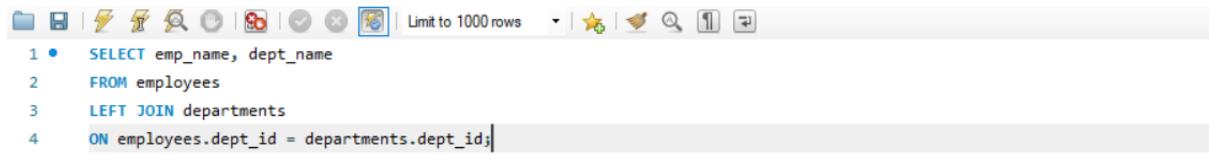


| emp_name | dept_name |
|----------|-----------|
| RAM | HR |
| SETHU | IT |
| SRINI | Finance |

The screenshot shows the MySQL Workbench interface with the 'Result Grid' tab selected. The results of the executed query are displayed in a grid format. The sidebar on the right lists other tabs: Result Grid (selected), Form Editor, Field Types, Query Stats, and Execution Plan.

2.Left Join:

Query:



A screenshot of a MySQL query editor window. The title bar says "Query". The toolbar has various icons for file operations, search, and export. The main area contains the following SQL code:

```
1 •  SELECT emp_name, dept_name
2   FROM employees
3   LEFT JOIN departments
4     ON employees.dept_id = departments.dept_id;
```

Output:



A screenshot of a MySQL result grid window. The title bar says "Result Grid". The main area displays the following data:

| emp_name | dept_name |
|----------|-----------|
| RAM | HR |
| SETHU | IT |
| SRINI | Finance |
| ZACH | NULL |

3. Right Join:

Query:

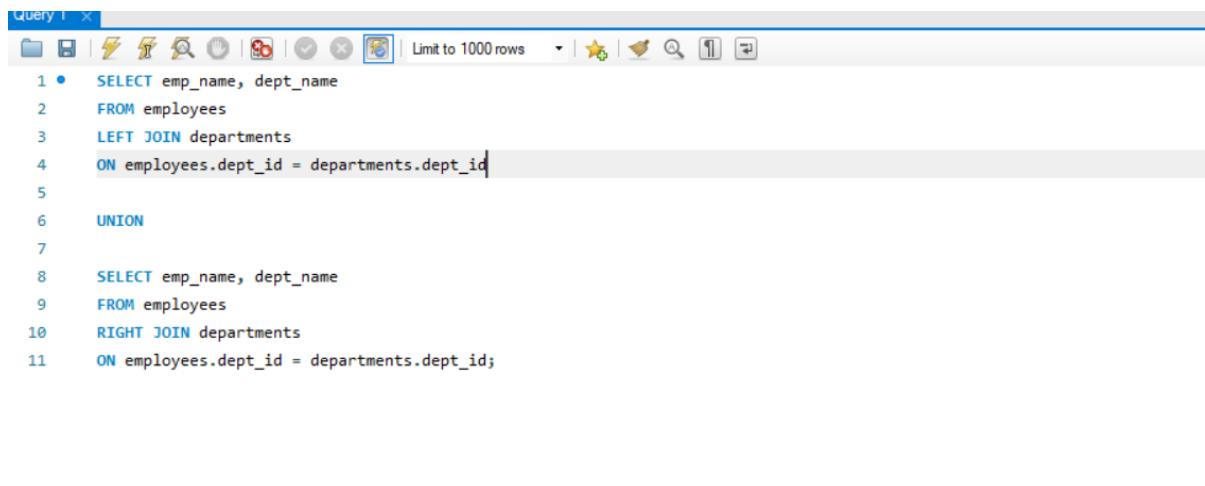
```
1 •  SELECT emp_name, dept_name
2   FROM employees
3   RIGHT JOIN departments
4     ON employees.dept_id = departments.dept_id;
```

Output:

| Result Grid | | Filter Rows: | Export: | Wrap Cell Content: | Print |
|-------------|----------|--------------|---------|--------------------|-------|
| | emp_name | dept_name | | | |
| ▶ | RAM | HR | | | |
| | SETHU | IT | | | |
| | SRINI | Finance | | | |

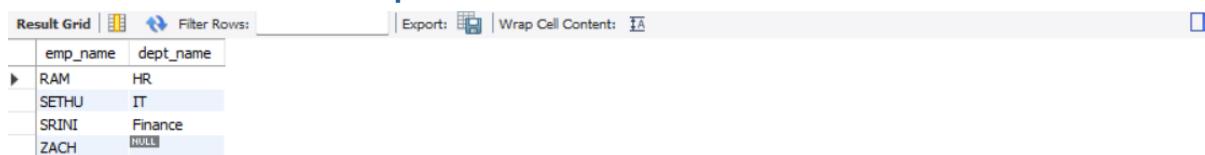
4. Full Join:

Query:



```
1 •  SELECT emp_name, dept_name
2   FROM employees
3   LEFT JOIN departments
4     ON employees.dept_id = departments.dept_id
5
6 UNION
7
8   SELECT emp_name, dept_name
9   FROM employees
10  RIGHT JOIN departments
11    ON employees.dept_id = departments.dept_id;
```

Output:



| emp_name | dept_name |
|----------|-----------|
| RAM | HR |
| SETHU | IT |
| SRINI | Finance |
| ZACH | NULL |