SQL

RD INFRO
TECHNOLOGY

ABOUT US

RD INFRO TECHNOLOGY is a vibrant and diverse community that brings
together individuals with similar objectives and ultimate goals. Our main focus is on creating opportunities that span various areas, including leadership development, learning, student engagement, and fostering shared interests.

We believe in the power of leadership and its ability to drive positive change. That's why we provide platforms and resources for our community members to develop their leadership skills.

Through mentorship programs, workshops, and collaborative projects, we empower individuals to take on leadership roles and make a difference in their respective fields.

INSTRUCTIONS

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- Update your **LinkedIn profiles**
- For a **SQL**, you will need to complete any one (either level 1 or level 2 , or level 3) at your convenience for successful completion of the internship.
- Maintain a separate GitHub repository(name **RD INFRO TECHNOLOGY** for all the tasks and
  share the link of the GitHub repo in the task **submission form(it will be given later through email).**
- You can refer to online resources such as Google Search and read tutorials. Watch videos(For Help).

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SUBMISSION

1. *A **TASK SUBMISSION FORM** will be shared later through email .Till then please continue your task.*

2. *A video need to be created to showcase your work, demo of your effort*

3. *The video can be hosted on LinkedIn for proof of your work and build credibility among your peers . You can tag **RD INFRO TECHNOLOGY** in such posts.*

4. *Please add #RDINFRO TECH in each of your task video postings on LinkedIn, Additionally, you can also add hashtags such as #internship*

ABOUT THE INTERNSHIP

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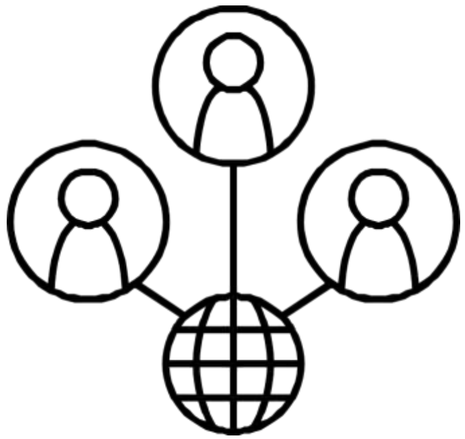
COMPLETION CERTIFICATE

PLACEMENT SUPPORT



NETWORK OPPORTUNITY

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SQL

TASK LIST

LEVEL 1 TASK 1

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Retrieve all columns from a table

Task: Write a SQL query to select all columns from a table named employees.
Example query: SELECT * FROM employees;
Resource: W3Schools SQL Tutorial

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2

Medium: Filter data using WHERE clause

- Task: Retrieve all employees from the **employees** table who are from the 'Marketing' department.
- Example query: **SELECT * FROM employees WHERE department = 'Marketing';**
- Resource: SQLZoo

TASK 3

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Medium: Perform a JOIN operation

- Task: Retrieve employee names along with their corresponding department names from two tables, **employees** and **departments**.
- Example query: **SELECT e.name, d.department_name FROM employees e JOIN departments d ON e.department_id = d.department_id;**
- Resource: Codecademy SQL Course

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TASK 4

Hard: Subqueries

- Task: Retrieve the names of employees who earn more than the average salary.
- Example query:

```
SELECT name
FROM employees
WHERE salary > (SELECT AVG(salary) FROM employees);
```

Resource: SQL Tutorial by Mode Analytics

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TASK 5

Hard: Advanced Aggregations

Task: Find the department with the highest average salary.
Example query:

```
SELECT department_id, AVG(salary) AS avg_salary
FROM employees
GROUP BY department_id
ORDER BY avg_salary DESC
LIMIT 1;
```

Resource: Khan Academy SQL Course