

Assignment 3: Joining Tables with Inner and Outer Joins

Objective

The objective of this assignment is to practice joining tables using inner join and outer join methods in SQL.

Data Description

You will be working with two tables:

- orders: Contains information about orders, including order_id, customer_id, order_date, and total_amount.
- customers: Contains information about customers, including customer_id, first_name, last_name, and email.

Tasks

Inner Join

- Write a SQL query to perform an inner join between the orders and customers tables.
- Join the tables on the customer_id column.
- Retrieve the following columns: order_id, order_date, total_amount, first_name, last_name, and email.
- Save the result of the inner join query.

Outer Join

- Write a SQL query to perform a right outer join between the orders and customers tables.
- Join the tables on the customer_id column.
- Retrieve the following columns: order_id, order_date, total_amount, first_name, last_name, and email.
- Save the result of the outer join query.

Submission Guidelines

- Write the SQL queries for both inner join and outer join in a text file named Assignment3_Student_ID_Name.txt.
- Include appropriate comments in your SQL queries to explain each step.
- Ensure the queries are correctly formatted and functional.
- Submit the text file following the specified naming convention.

Date Example

Example Data:

`orders` Table:

yaml

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order_id	customer_id	order_date	total_amount
1	101	2023-01-15	150.00
2	102	2023-02-20	210.50
3	103	2023-03-10	95.25

`customers` Table:

sql

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customer_id	first_name	last_name	email
101	John	Doe	john.doe@email.com
102	Jane	Smith	jane.smith@email.com
103	Mike	Johnson	mike.johnson@email.com
104	Jennifer	Williams	jennifer.williams@email.com

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