Lab 1

Explanations for selected queries

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Q7) Find for each employee his last name and that of his manager

SELECT dipendente.lastName **AS** Dipendente, dirigente.lastName **AS** Dirige

FROM   employees **As** dirigente, employees **As** dipendente

WHERE   dirigente.reportsTo=dipendente.employeeNumber;

- This query uses a self-join, a table joined with itself.

- The **WHERE** clause selects the employee and his manager from the joined rows.

- From the temporarily renamed **Dirigente** table the **WHERE** clause selects the E.ID of the person to report a manager.

- Similarly from the **Dipendente** table **WHERE** clause selects the employee Number (E.ID).

- Combining the results gives an entry with employee and manager details.

- The **SELECT** query selects the Last names of the employee and the manager.

Q11) Name of the cites with at least 3 employees

SELECT city

FROM employees **JOIN** offices **ON** (employees.officeCode=offices.officecode)

GROUP BY city

HAVING COUNT (city) >3;

- The query joins the **Employees** table and the **Offices** table based on office codes.

- Group the results by the city.

- Finally, the query selects the cities which have more than three entries.