
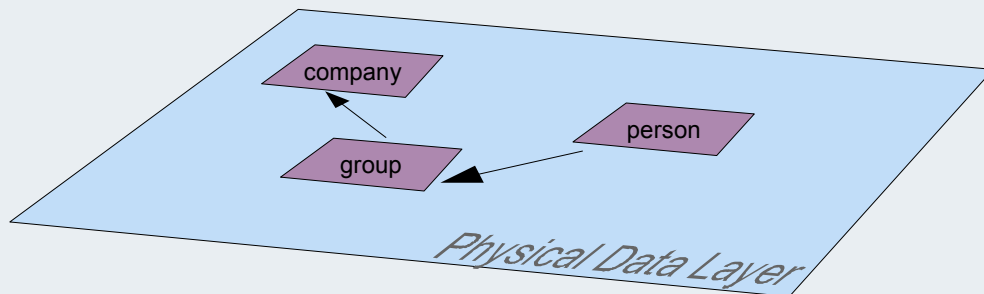




What is a „Table Alias“ in the context of
jACOB?

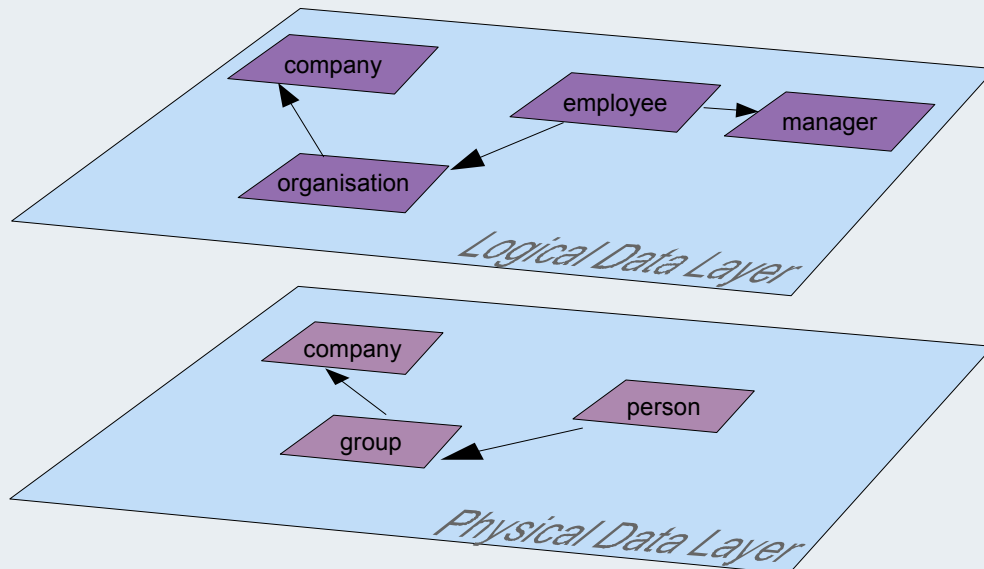
First of all jACOB is divided into three different layers.

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Database layer for Oracle,
mySQL, SQLServer, ..

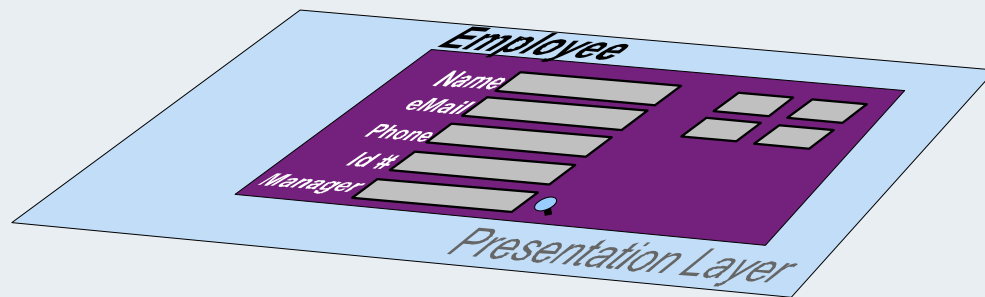
First of all jACOB is divided into three different layers.



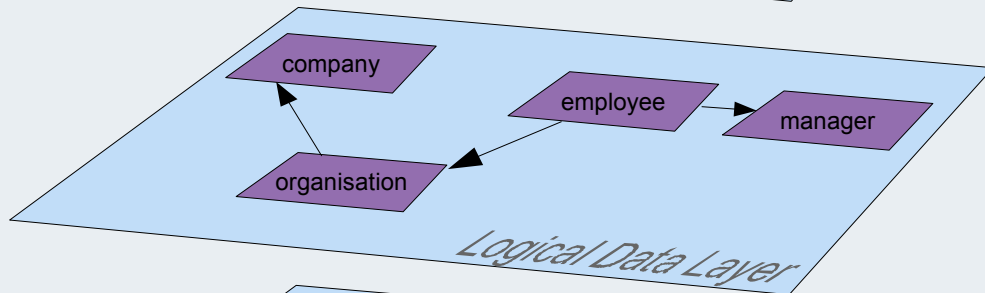
jACOB Data Abstraction Layer

Database layer for Oracle, mySQL, SQLServer, ..

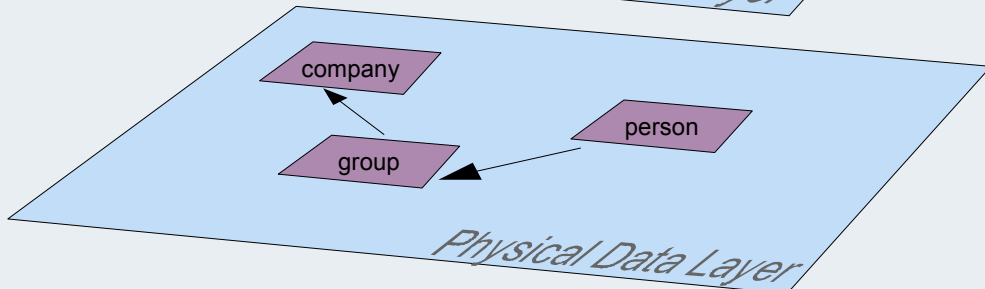
First of all jACOB is divided into three different layers.



User interface layer for
HTML or XUL.

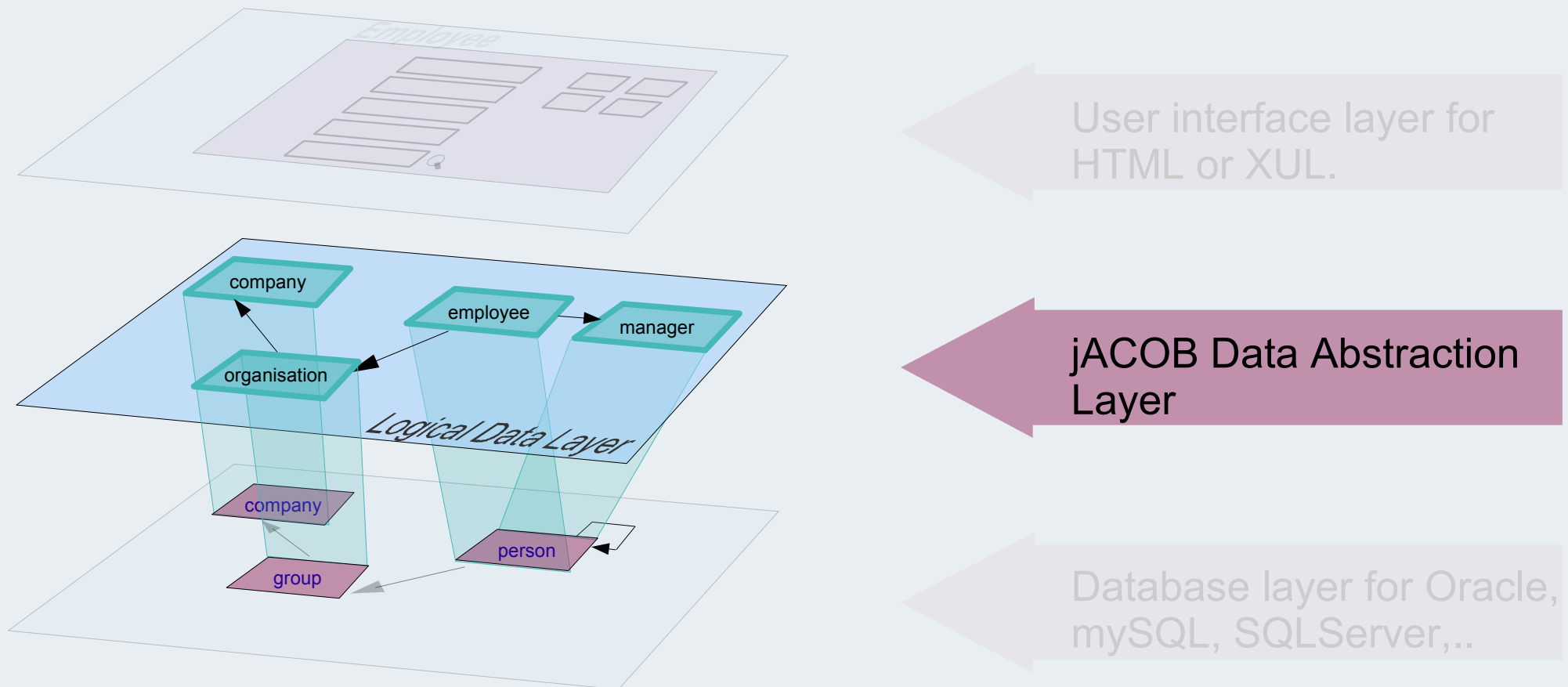


jACOB Data Abstraction
Layer



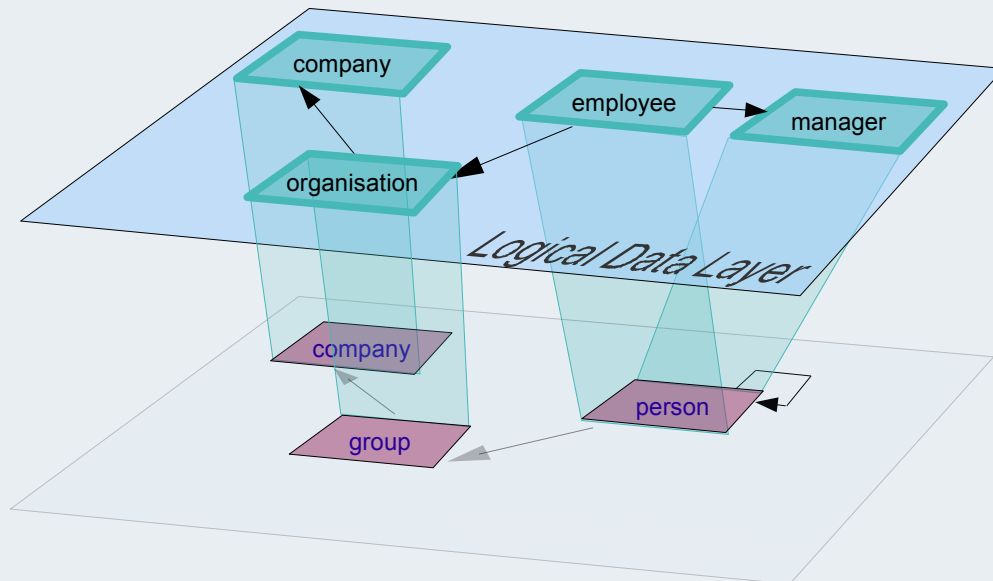
Database layer for Oracle,
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A '**Table Alias**' is part of the 'Data Abstraction Layer' and is a reference to a physical database Table.



Why is it a fundamental part in jACOB to define „Table Aliases“?
If you are familiar with SQL, the following statement will help to find the answer:

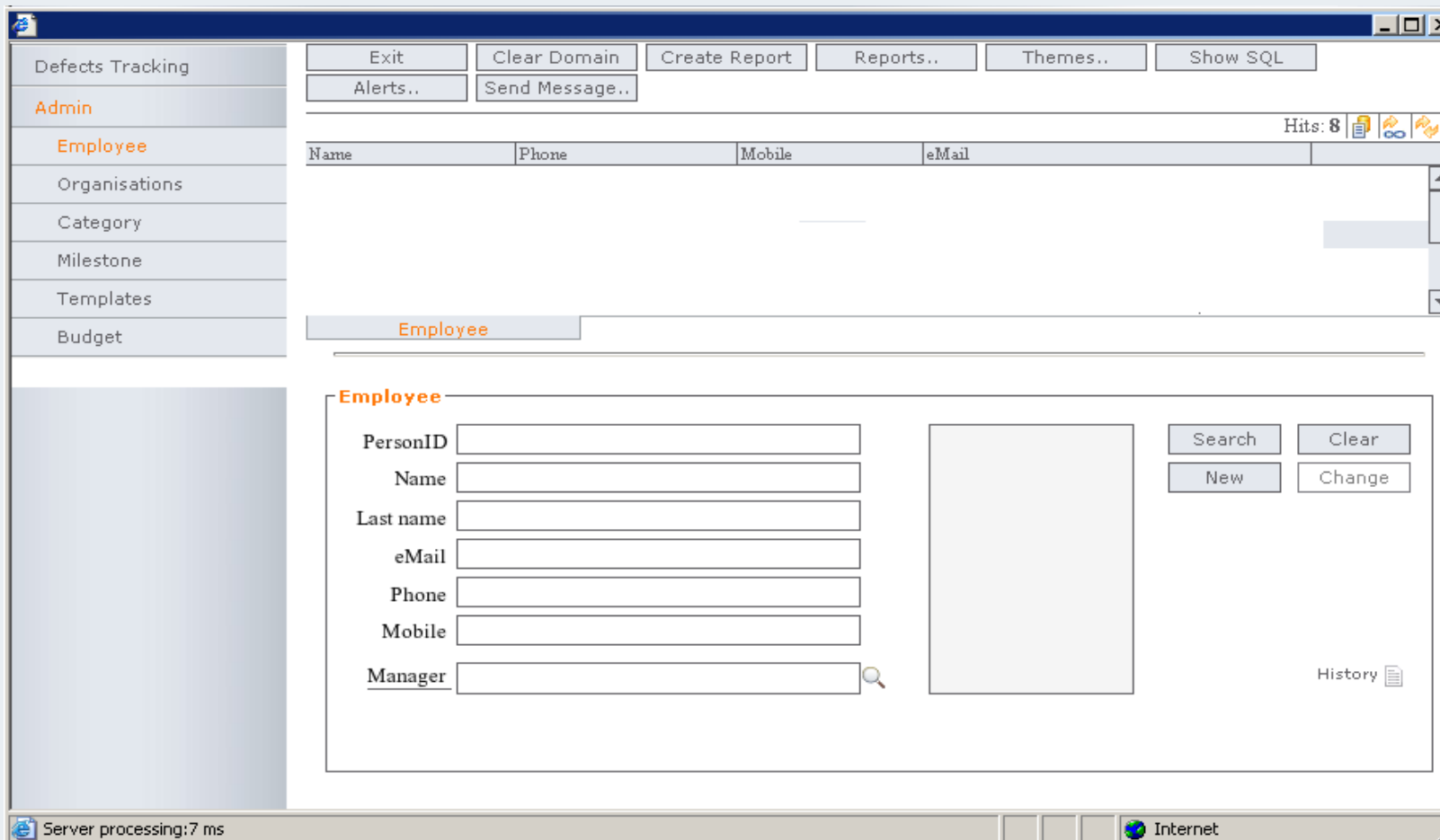
```
SELECT manager.name, employee.name  
FROM person AS employee  
INNER JOIN person AS manager  
ON employee.managerID = manager.personID;
```



jACOB Data Abstraction
Layer

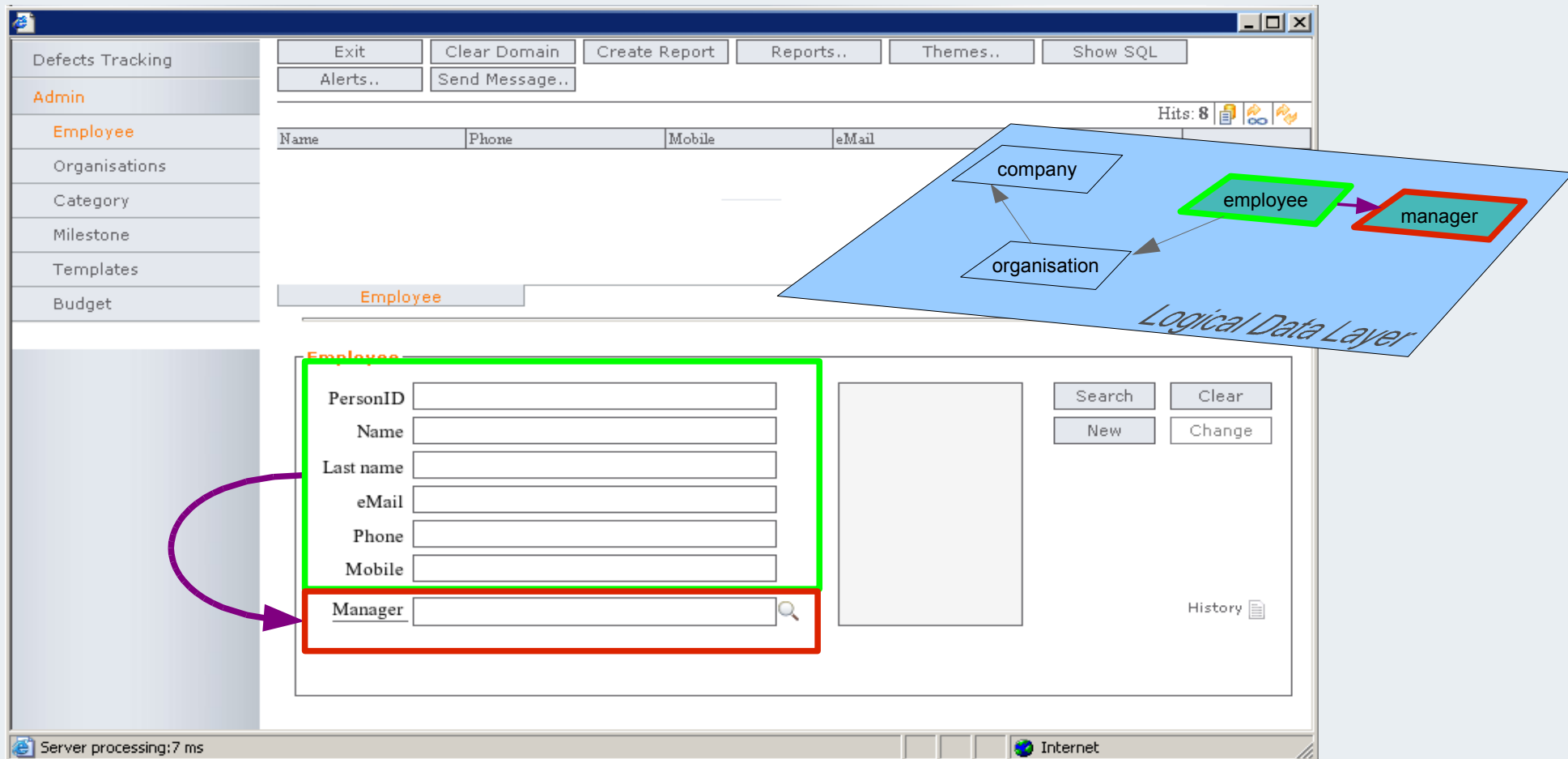
Database layer for Oracle,
mySQL, SQLServer, ..

If you want to handle the command structure of a company (stored in the table *person*) you must define two aliases *employee* and *manager* to represent them in one form.



The screenshot shows the jACOB application window. On the left is a sidebar menu with options: Defects Tracking, Admin, Employee (highlighted), Organisations, Category, Milestone, Templates, and Budget. The main area has a top toolbar with buttons: Exit, Clear Domain, Create Report, Reports.., Themes.., Show SQL, Alerts.., and Send Message.. Below the toolbar is a table header with columns: Name, Phone, Mobile, and eMail. The table body is empty. Below the table is a tab labeled 'Employee'. Under the 'Employee' tab, there is a form with the following fields: PersonID, Name, Last name, eMail, Phone, Mobile, and Manager. To the right of these fields are buttons: Search, Clear, New, and Change. A 'History' link is also present. The status bar at the bottom shows 'Server processing: 7 ms' and 'Internet'.

The logical database layer of jACOB loads the records from the table person and stores them in the alias **employee** and **manager**. The presentation layer retrieves this records and display them in the UI.



The screenshot shows the jACOB application interface. On the left is a sidebar menu with options: Defects Tracking, Admin, Employee (highlighted), Organisations, Category, Milestone, Templates, and Budget. The main window has a toolbar with buttons: Exit, Clear Domain, Create Report, Reports.., Themes.., Show SQL, Alerts.., and Send Message.. Below the toolbar is a table with columns: Name, Phone, Mobile, and eMail. The table shows 8 hits. Below the table is a tab labeled 'Employee'. A diagram overlay, titled 'Logical Data Layer', shows a flow: 'company' and 'organisation' point to 'employee' (highlighted with a green border), which then points to 'manager' (highlighted with a red border). A purple arrow points from the 'Employee' tab in the UI to the 'employee' box in the diagram. Another red box highlights the 'Manager' input field in the form below the table, with a purple arrow pointing from the 'manager' box in the diagram to it. The form contains fields for PersonID, Name, Last name, eMail, Phone, Mobile, and a 'Manager' field with a search icon. To the right of the form are buttons: Search, Clear, New, and Change. At the bottom right is a 'History' link. The status bar at the bottom shows 'Server processing: 7 ms' and 'Internet'.