



RELATIONAL DATABASES


DIAGRAM CONVENTIONS

OBJECTIVES

- CONSTRUCT ER DIAGRAM COMPONENTS THAT REPRESENT ENTITIES, ATTRIBUTES AND RELATIONSHIPS ACCORDING TO DIAGRAMMING CONVENTIONS



PURPOSE

- CONVENTIONS HELP US TO INTERPRET A DIAGRAM NO MATTER OUR LANGUAGE OR CULTURE.
 - USING CONVENTIONS IS AN EFFICIENT WAS TO COMMUNICATE INFORMATION THAT CAN BE EASILY UNDERSTOOD BY MANY PEOPLE.
 - EVERYONE DRAWS ER DIAGRAMS ACCORDING TO THE SAME CONVENTIONS
 - THERE ARE SEVERAL CONVENTIONS, BUT THEY ARE VERY SIMILAR AND EASY TO LEARN
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ORACLE'S ER DRAWING CONVENTIONS

- ENTITIES ARE DRAWN AS BOXES WITH CURVED CORNERS.
- ENTITY NAMES GO IN THE BOX
- ENTITY NAMES ARE ALWAYS SINGULAR AND WRITTEN IN CAPITAL LETTERS

A white rectangular box with rounded corners and a thin black border. The word **EMPLOYEE** is written in bold, black, uppercase letters in the top-left corner of the box.

EMPLOYEE

A white rectangular box with rounded corners and a thin black border. The word **JOB** is written in bold, black, uppercase letters in the top-left corner of the box.

JOB

ORACLE'S ER DRAWING CONVENTIONS

- ATTRIBUTES ARE LISTED UNDER THE ENTITY NAMES
- MANDATORY ATTRIBUTES ARE MARKED WITH AN ASTERISK
- OPTIONAL ATTRIBUTES ARE MARKED WITH A CIRCLE
- UNIQUE IDENTIFIERS ARE MARKED WITH A HASH SIGN



ORACLE'S ER DRAWING CONVENTIONS

- RELATIONSHIPS ARE LINES THAT CONNECT ENTITIES
- THESE LINES ARE EITHER SOLID OR DASHED
- THE TERMINATE WITH A SINGLE LINE OR A CROW'S FOOT

