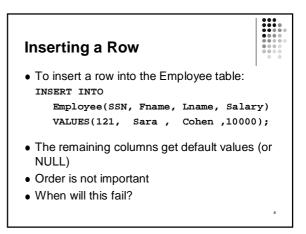
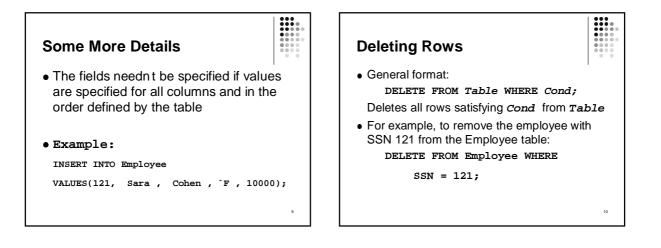
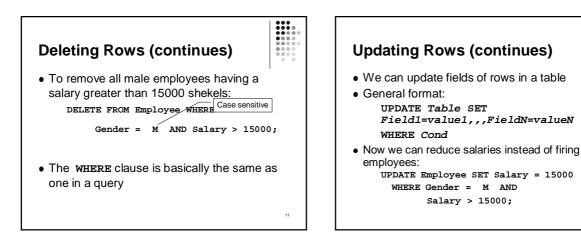


	iipioyed	e Table	
> Describ	oe Employe		• •
2000111			
Name	Null?	Туре	
SSN		NUMBER	
FNAME		VARCHAR2(20)	
LNAME		VARCHAR2(20)	
GENDER		CHAR(1)	
SALARY	NOT NULL	NUMBER (5)	







The ORACLE Bulk Loader



13

- A tool that provides easy insertion of large amounts of rows into tables.
- <u>The idea:</u> the field values of the rows are kept in a file, the format of which is defined by us.
- For example, it can automatically load 3 employees from the file myEmployees.dat that contains the following lines: Sara|Cohen|121 Benny|Kimelfeld|134
 - Yaron | Kanza | 156

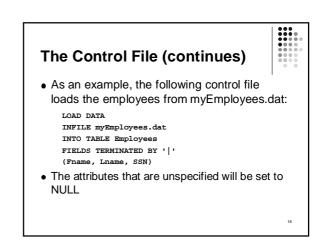
The Control File

- The control file is the direct input of the loader
- A simple control file:

LOAD DATA INFILE <dataFile> [APPEND] INTO TABLE <tableName> FIELDS TERMINATED BY '<separator> (<list of all attribute names to load>)

The Control File (continues)

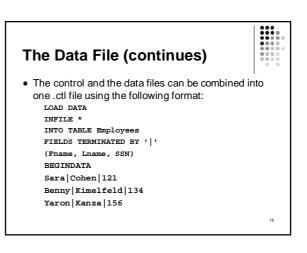
- <dataFile>:
- The name of the data file <tableName>:
- The name of the table into which the data will be loaded (appended if APPEND is specified, or else the table must be empty)
- <separator>:
- A string that separates two field values of a row
- The attributes are separated by commas and enclosed in parentheses



The Data File



- The Bulk Loader considers every single line to represent one row in the table
 - Even an empty line! (which will usually result in an error)
- Spaces are not ignored in the data file!
- thus the rows sara| cohen|121 and sara|cohen|121 define different functionalities
- The NULL value is implied by the NULL
- keyword or the empty string



The Bulk Invocation



- To invoke the bulk loader, issue the following command directly from the Unix shell: sqlldr <yourName> control=<ctlFile> log=<logFile> bad=<badFile>
 - All fields are optional
 - File names that have no extension are automatically extended (by .dat, .log or .bad)
- Erroneous lines in the data file are ignored and written into **badFile**, and any other relevant information is written into **logFile**.



- Before using the Bulk Loader, make sure your personal ORACLE environment is properly set up
- The tables you fill using the Bulk Loader should be created prior to the loader invocation
- Before invoking the Bulk Loader you have to make sure that

NO SQLPLUS SESSIONS ARE OPEN!