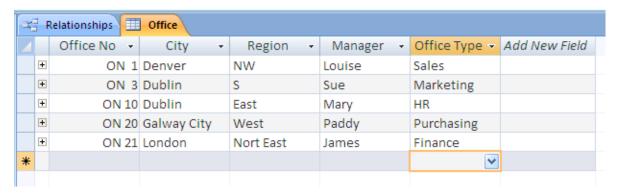# Enter the following details into the Office Table

1. Create the following tables:

For each table you need to decide the data type and properties you will include based on the data in the table below it.

Office Table

	Field Name	Data Type	Properties
	Office No		
	City		
	Region		
	Manager		
	Office Type		

Office No	City	Region	Manager	Office Type	Add New Field
ON 1	Denver	NW	Louise	Sales	
ON 3	Dublin	S	Sue	Marketing	
ON 10	Dublin	East	Mary	HR	
ON 20	Galway City	West	Paddy	Purchasing	
ON 21	London	Nort East	James	Finance	

Employee Table

	Field Name	Data Type	Properties
	Emp ID		
	Name		
	Age		
	Office No		
	Title		
	Hire Date		
	Comment		
	Salary		

Emp No	Name	Age	Office No	Title	Hire Date	Comment	salary
1	Joe	19	1	Sir	25/06/2005		€18,000.00
2	Bruce	43	1	Mr	01/01/2005		€14,000.00
3	Jane	45	1	Mrs	03/07/2005		€15,000.00
4	Brian	43	3	Mr	13/12/2005		€25,000.00
5	Jack	56	3	Mr	17/09/2005		€18,000.00
0		0	1				€0.00

Order Table

	Field Name	Data Type	Properties
	Order No		
	Order Date		
	Emp No		
	Prod ID		
	Quantity		
	Price		
	Customer No		

Order Table : Table

	Order No	Order Date	Emp No	Prod Id	Quantity	Price	Customer No
	1	01/06/2001	1	1	50000	12.00	1
	2	23/06/2001	1	1	500	13.00	2
	3	14/07/2001	2	1	689	14.00	1
*	0		0		0	0.00	0

Customer Table

	Field Name	Data Type	Properties
	Customer No		
	Company		
	Discount		

Customer : Table

		Customer No	Company	Discount
▶	+	1	CTQ LTD	5.00%
	+	2	sligo it	3.00%
*		0		0.00%

Product Table

	Field Name	Data Type	Properties
	Product ID		
	Description		
	Source		

Product : Table

		Product Id	Description	Source
▶	+	1	broom	smith & co
	+	2	bucket	jones ltd
	+	3	mop	jones ltd
*				

Create the following Relationships

Ensure the relationships created by the linked fields are as follows:

Enter the Data

When you have created the tables and the relationships enter the data into the tables as shown on previous pages.

Queries – Office Database

1. Retrieve all data from the EMPLOYEE table. Sort by the employee name in ascending order.

2. List the name and age of all employees on a salary of less than €16,000.

3. List the number of employees in each office.

4. List the names of all companies who have purchased brooms or mops.

5. Which customers have ordered anything in June 2001?

6. List employees in descending order of hire date i.e. most recent first.

7. Which employees have names beginning with J?

8. An office number in a given city (parameter)?

9. List all employees hired between two given dates.

10. Retrieve all data from customer table. (Simple data retrieval)

11. Find all employees' number, name, title and hire date for employees over 43yrs. (Retrieve only certain columns, use criteria and use show button)

12. Count the number of orders taken by each employee. (Use of join and use of count using view totals)

13. List the names and hire dates of all Denver employees over 40 with all London employees over 45. (OR and Criteria)

14. Which customers have ordered brooms in June 01? (Use of dates and AND)

15. List the names and ages of all employees in ascending order of age. (Sorting)

16. What are the names of the employees who sold goods whose description began with "b"? (Wild card and Like)