

## Exercise 2 – Query Solutions

### 2 Thursday Query

Employee No	Course	Code	Day	Weeks	Size	Exam	Cost	Room
1110	Basic Computers	C102	Thu	10	15	No	€40	21
1117	Cake Decoration	H023	Thu	8	12	No	€40	5
1235	Accounting	AC08	Thu	20	20	Yes	€150	15
2511	ECDL	C114	Thu	20	20	Yes	€150	31
1789	Aerobics	AE45	Thu	12	15	No	€80	Gym

Field:	Employee No	Course	Code	Day	Weeks
Table:	Evening Classes	Evening Classes	Evening Classes	Evening Classes	Evening
Sort:					
Show:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Criteria:				"Thu"	
or:					

### 3 10 week Monday query

Employee No	Course	Code	Day	Weeks	Size	Exam	Cost	Room
1110	Typing	TY53	Mon	10	18	Yes	€70	12
4563	ECDL	C113	Mon	10	20	Yes	€40	19
2511	Databases	DP11	Mon	10	18	Yes	€90	32

Code	Day	Weeks	Size
Evening Classes	Evening Classes	Evening Classes	Evening
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	"Mon"	>=10	

## 4 Thursday less than 100 query

Course	Day	Cost
Basic Computers	Thu	€40
Cake Decoration	Thu	€40
Aerobics	Thu	€80

Field:	Course	Day	Cost
Table:	Evening Classes	Evening Classes	Evening Classes
Sort:			
Show:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Criteria:		"Thu"	<100
or:			

## 5 Medium sized query

Employee No	Course	Code	Day	Weeks	Size	Exam	Cost	Room
1789	Aerobics	AE45	Thu	12	15	No	€80	Gym
1110	Basic Computers	C101	Tue	10	15	No	€40	23
1110	Basic Computers	C102	Thu	10	15	No	€40	21
1117	Bread Making	H147	Tue	10	12	No	€40	5
1117	Cake Decoration	H023	Thu	8	12	No	€40	5
1117	Cookery	HO22	Mon	8	12	Yes	€80	5
2511	Programming	P123	Wed	10	15	Yes	€80	31
1782	Spanish	SP128	Wed	15	15	No	€100	12
1140	Yoga	Y085	Tue	12	10	No	€90	Gym

Weeks	Size	Exam
Evening Classes	Evening Classes	Evening Classes
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Between 10 And 15	

## 6 All but gym query

Course	Weeks	Cost	Room
Basic Computers	10	€40	21
Bread Making	10	€40	5
Cake Decoration	8	€40	5
Programming	10	€80	31
Accounting	20	€150	15
Typing	10	€70	12
ECDL	10	€40	19
ECDL	20	€150	31
Spanish	15	€100	12
Cookery	8	€80	5
Databases	10	€90	32
Basic Computers	10	€40	23

Field:	Course	Weeks	Cost	Room
Table:	Evening Classes	Evening Classes	Evening Classes	Evening Classes
Sort:				
Show:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Criteria:				<> "gym"
or:				

## 7 Computer Courses query

Employee No	Course	Code	Day	Weeks	Size	Exam	Cost	Room
1110	Basic Computers	C101	Tue	10	15	No	€40	23
1110	Basic Computers	C102	Thu	10	15	No	€40	21
4563	ECDL	C113	Mon	10	20	Yes	€40	19
2511	ECDL	C114	Thu	20	20	Yes	€150	31

Field:	Employee No	Course	Code
Table:	Evening Classes	Evening Classes	Evening Classes
Sort:			
Show:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Criteria:			Like "C*"
or:			

## 8 Murphy T query

Employee No	Teacher
2511	Murphy T
*	

Field:	Employee No	Teacher
Table:	Employee Details	Employee Details
Sort:		
Show:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Criteria:		"Murphy T"
or:		

## 9 Cookery class query

Employee No	Course	Code	Day	Weeks	Size	Exam	Cost	Room
1117	Cookery	HO22	Mon		8	12 Yes	€80	5
*								

Day	Weeks	Size
Evening Classes	Evening Classes	Evening Classes
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
"Mon"	<10	>=12

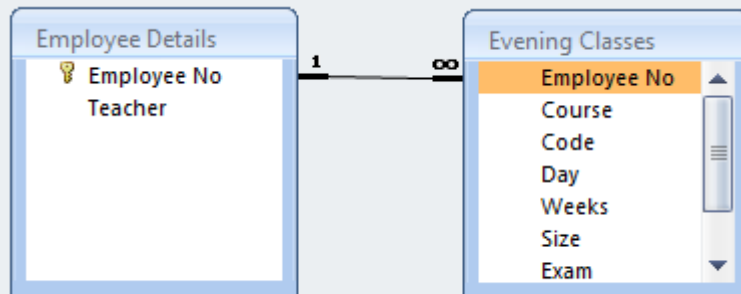
## 10 Exam classes

Course	Size	Exam	Room
Programming	15	Yes	31
Accounting	20	Yes	15
Typing	18	Yes	12
ECDL	20	Yes	19
ECDL	20	Yes	31
Cookery	12	Yes	5
Databases	18	Yes	32
*			

Field:	Course	Size	Exam	Room
Table:	Evening Classes	Evening Classes	Evening Classes	Evening
Sort:				
Show:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Criteria:			"Yes"	
or:				

## Exercise 4 – Working with database objects

### 2 Relationships



### 4 & 5 Validation Rule

General		Lookup
Field Size	Long Integer	
Format		
Decimal Places	Auto	
Input Mask		
Caption		
Default Value		
Validation Rule	<=20	
Validation Text	Class sizes cannot be more than 20 students per teacher.	
Required	No	

### 7 Cahill A query

The screenshot shows a query design grid for a query named 'Cahill A'. The query is based on two tables: Employee Details and Evening Classes. The design grid shows the following fields and criteria:






Field:	Employee No	Teacher	Course	Day	Size
Table:	Employee Details	Employee Details	Evening Classes	Evening Classes	Evening Classes
Sort:					
Show:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Criteria:		"Cahill A"			

## 8 ECDL courses query

Employee No	Course	Code	Day	Weeks	Size	Exam	Cost	Room
4563	ECDL	C113	Mon	10	20	Yes	€40	19
2511	ECDL	C114	Thu	20	20	Yes	€150	31

Field:	Employee No	Course	Code	Day	Weeks	Size	Exam
Table:	Evening Classes	Evening Classes	Evening Classes	Evening Classes	Evening Classes	Evening Classes	Evening Classes
Show:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Criteria:			Like "C*"				"Yes"
or:							

## 11 Label icons

Icons	Answer
	Datasheet view icon
	Design view icon
	Apply Filter icon
	Primary Key icon
	Relationship icon