

**ECDL Advanced – Unit 5**  
**Syllabus Version 2.0 – Sample Test**

**Databases**  
**Version SampleMQTB/2.0/DB3/v1.0**

<h2>SAMPLE TEST</h2>
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You need to finalise a database for an auction house. Amongst other things, you are required to change the design properties of specific fields, design advanced queries to extract data, import data and perform calculations on data using various functions.

There are 20 tasks in this sample test with 5 marks available for each question.

You have 60 minutes to complete them.

Tasks.	Marks.
1	
Open the file called <b>answerfile.doc</b> from your Learner Drive. Enter your name in the space provided. Use this document to record your answers to the relevant questions.	
1.1	[2.5 Marks].
Which one of the following is a database model? A. Macro. B. SQL. C. Object-oriented. D. Referential Integrity. Enter <b>A, B, C,</b> or <b>D</b> in <b>answerfile.doc</b> in the space for question 1.1.	
1.2	[2.5 Marks].
Which one of the following life cycle stages includes defining the relationship between different data subject areas and their attributes? A. Logical design. B. Data entry. C. Data maintenance. D. Information retrieval. Enter <b>A, B, C,</b> or <b>D</b> in <b>answerfile.doc</b> in the space for question 1.2. Save and close your document keeping the same filename <b>answerfile.doc</b> .	

2	<p>Open the file called <b>Auctioneers.mdb</b> from your Learner Drive.</p> <p>Open the <b>Items</b> table.</p> <p>Modify the <b>Item ID</b> field to ensure values are <b>required</b>.</p> <p>Modify the <b>Customer ID</b> field to ensure values are restricted to the lookup list.</p> <p>Apply a setting to the <b>Status</b> field to ensure that <b>ALL</b> characters entered will display in Uppercase.</p>	<p>[2 Marks].</p> <p>[2 Marks].</p> <p>[1 Mark].</p>
3	<p>In the <b>Items</b> table create a lookup for the <b>Status</b> field that will allow a selection from the values <b>Available</b> and <b>Sold</b>.</p> <p>Ensure the data is tested with the new rules.</p> <p>Save and close the <b>Items</b> table.</p>	[5 Marks].
4	<p>Create a one-to-many relationship between the <b>Sales</b> table and the <b>Items</b> table.</p> <p>Enforce referential integrity.</p> <p>Save and close the relationships window.</p>	[5 Marks].
5	<p>Open the <b>Listing</b> query.</p> <p>Modify the join between the tables to show <b>ALL</b> customers with <b>OR</b> without an item purchased.</p> <p>Run the query.</p> <p>Save and close the <b>Listing</b> query.</p>	[5 Marks].
6	<p>Open the <b>Over 500</b> query.</p> <p>Modify the query so that it will create a table named <b>Expensive Items</b> if an item has a sale price of <b>€500 or more</b>.</p> <p>Run the query.</p> <p>Save and close the <b>Over 500</b> query.</p>	[5 Marks].
7	<p>Open the <b>Sum Up</b> query.</p> <p>Modify the query to show the total quantity of items purchased for each Customer ID.</p> <p>Run the query.</p> <p>Save and close the <b>Sum Up</b> query.</p>	[5 Marks].

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- 8      Open the **Name Change** query. [5 Marks].  
Modify the query so that it will update any records in the **Customers** table by replacing the **Last Name** field value of **Larson** with **Lewis**.  
Run the query.  
Save and close the **Name Change** query.
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- 9      Open the **Reserve v Sale Price** query. [5 Marks].  
Add an expression named **Difference** that will calculate the **Reserve Price** subtracted from the **Sale Price**.  
Run the query.  
Save and close the **Reserve v Sale Price** query.
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- 10     Open the **Price Range** query. [2 Marks].  
Add a criterion under the **Reserve Price** field with the prompt **Enter reserve price**.  
  
Add a criterion under the **Sale Price** field with the prompt **Enter maximum sale price**. [2 Marks].  
The query will then show **ALL** records equal to the reserve price entered and below the sale price entered.  
  
Check that 2 records are returned when the query is run looking for **ALL** items with a reserve price of **100** and a maximum sale price of **100**. [1 Mark].  
Save and close the **Price Range** query.
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- 11     Create an unmatched query named **No Purchase** that will display the **Customer ID**, **First Name** and **Last Name** fields of any records in the **Customers** table that do **NOT** have a matching record in the **Items** table. [5 Marks].  
Run the query.  
Save and close the **No Purchase** query.
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- 12     Open the **Review Commission** query. [5 Marks].  
Modify the query to show **ONLY** the **3** lowest values for **Commission**.  
Run the query.  
Save and close the **Review Commission** query.
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13	<p>Open the <b>Commission</b> form. [3 Marks].</p> <p>Insert a new control below the <b>Sum of Sales</b> control with the caption <b>Date of Joining</b>:</p> <p>Ensure the caption is clearly visible.</p> <p>Set the control source for the new control to be the <b>Date of Joining</b> field from the <b>Sales</b> table. [2 Marks].</p> <p>Save and close the <b>Commission</b> form.</p>	
14	<p>Open the <b>Staff Review</b> form. [2 Marks].</p> <p>Apply settings to the <b>Reported to</b> control to ensure entered values are restricted to the lookup list.</p> <p>Ensure that <b>Other</b> is also available in the lookup list. [3 Marks].</p> <p>Save and close the <b>Staff Review</b> form.</p>	
15	<p>Open the <b>Sales</b> report. [5 Marks].</p> <p>Modify the unbound <b>Name</b> control so it will concatenate the <b>First Name</b> and <b>Last Name</b> fields with a space between them.</p> <p>Delete the <b>First Name</b> and <b>Last Name</b> controls.</p> <p>Save and close the <b>Sales</b> report.</p>	
16	<p>Open the <b>Item Totals</b> report. [3 Marks].</p> <p>Modify the <b>Total Sale Price</b> control in the report footer so that it will calculate the total <b>Sale Price</b> for <b>ALL</b> records.</p> <p>Format the <b>Total Sale Price</b> control to display as <b>Euro</b>. [1 Mark].</p> <p>Ensure the value is clearly visible.</p> <p>Use the caption <b>Total Sales</b> for the <b>Total Sales</b> label. [1 Mark].</p> <p>Ensure the caption is clearly visible.</p>	
17	<p>Modify the report settings to ensure the records are grouped by <b>Salesperson ID</b> in ascending order with a group header. [4 Marks].</p> <p>Move the <b>Salesperson ID</b> control to the group header. [1 Mark].</p> <p>Save and close the <b>Item Totals</b> report.</p>	

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18      Open the **Customer Purchases** report. [5 Marks].

Force automatic page breaks to ensure each Customer ID displays on a separate page.

Ensure there are **NO** blank pages.

Save and close the **Customer Purchases** report.

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19      Import the **Contacts** spreadsheet from your Learner Drive into the **Auctioneers** database as a new table named **Contacts**. [5 Marks].

Use the first row as field names and **Salesperson ID** as the primary key.

Accept other default settings.

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20      Open the **Commission** form. [5 Marks].

Apply the **showcom** macro to the command button named **Show Commission** in the form footer.

This macro will display the **Commission** caption and control when the **Show Commission** button is clicked.

Save and close the **Commission** form.

Save and close **ALL** open objects and close any open applications.

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<b>Total Marks</b>	<b>100</b>
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**This is the end of the sample test.**

**If you have time, check the work you have done.**