






	<p>2.5 Analyse how data validation is implemented in a table.</p> <p>2.6 Demonstrate how to use the Form Wizard to create a form; modify a form in Design view.</p> <p>2.7 Distinguish between a bound control, an unbound control, and a calculated control.</p> <p>2.8 Identify how to add a combo box and command buttons to a form.</p> <p>2.9 Explain how to use a form to add, edit, and delete records in the underlying table.</p>
<p>3 Define data and information. Describe how tables can be filtered. Discuss ways of filtering records. Describe the process of maintaining and querying an Access database. Describe how to produce reports and queries in Access.</p>	<p>3.1 Analyse the reports available through the Report Wizard.</p> <p>3.2 Identify the similarities between forms and reports with respect to the underlying controls.</p> <p>3.3 Define how to list the sections in a report.</p> <p>3.4 Identify how to use conditional formatting in a report.</p> <p>3.5 Differentiate between a query and a table; define a dynaset.</p> <p>3.6 Identify how to use the design grid to create and modify a select query.</p> <p>3.7 Explain the use of multiple criteria rows in a query.</p> <p>3.8 Demonstrate how to use concatenation to combine fields in a query or report.</p> <p>3.9 Demonstrate how to use an immediate If statement to create a calculated control.</p> <p>3.10 Define an action query.</p> <p>3.11 Identify how to create a crosstab query.</p>
<p>4 Define a relational database. Describe how external data is imported into Access.</p>	<p>4.1 Demonstrate how to import data from an Excel workbook for inclusion in an Access database</p> <p>4.2 Demonstrate how to use the Relationships window to create a one-to-many relationship; define referential integrity.</p> <p>4.3 Demonstrate how to create a report that contains a relationships diagram</p> <p>4.4 Define how to create and modify a multiple-table select query.</p> <p>4.5 Define how to create a totals query.</p> <p>4.6 Identify how to use Microsoft Graph to create a chart for inclusion in a report.</p> <p>4.7 Identify how to create a pivot table and associated pivot chart.</p> <p>4.8 Explain how to create and modify a switchboard.</p> <p>4.9 Demonstrate the object dependencies that exist within a database.</p> <p>4.10 Illustrate how to compact and repair a database; back up a database.</p>
<p>5 Define referential integrity. Describe subforms and dynasets.</p>	<p>5.1 Distinguish between a primary key and a foreign key.</p> <p>5.2 Define referential integrity.</p> <p>5.3 Define how to use the Relationships</p>

	<p>window to create a one-to-many relationship.</p> <p>5.4 Explain how the AutoNumber field type simplifies data entry.</p> <p>5.5 Distinguish between a main form and a subform.</p> <p>5.6 Define how to create a multiple-table query, then use the query to create a report.</p> <p>5.7 Explore how to create a main form with linked subforms.</p>
<p>6 Outline advanced Access relationships. Be able to perform aggregate functions.</p>	<p>6.1 Define how to use the AutoNumber field type as the primary key for a new record.</p> <p>6.2 Explain the field types required when an AutoNumber field is in a relationship.</p> <p>6.3 Identify how to implement a many-to-many relationship in Access.</p> <p>6.4 Demonstrate how to use the Cascade Update and Cascade Delete options in a relationship.</p> <p>6.5 Evaluate how to create a main form and subform based on a query.</p> <p>6.6 Define how to create a parameter query.</p> <p>6.7 Demonstrate how to use aggregate functions in a select query to perform calculations on groups of records.</p> <p>6.8 Illustrate how to use the Get External Data command to add tables from another database.</p>
<p>7 Describe how to build applications using the switchboard manager and macros.</p>	<p>7.1 Analyse how to use the Switchboard Manager to create a multiple-level switchboard.</p> <p>7.2 Illustrate how to use the Link Tables command to associate tables in one database with objects in a second database.</p> <p>7.3 Identify how macros automate an application.</p> <p>7.4 Explain the special role of the AutoExec macro.</p> <p>7.5 Explain how prototyping facilitates the development of an application.</p> <p>7.6 Demonstrate how to use the Unmatched Query Wizard and explain its significance.</p> <p>7.7 Demonstrate how to create a macro group.</p>
<p>8 Describe how to enhance an application using Visual Basic for Applications (VBA)</p>	<p>8.1 Explain the relationship of VBA to Microsoft Office.</p> <p>8.2 Explore how to create an event procedure.</p> <p>8.3 Analyse the VBA editor.</p> <p>8.4 Distinguish between the Procedure view and the Full Module view.</p> <p>8.5 Define how to create a combo box to locate a record on a form.</p> <p>8.6 Identify the parameters associated with the MsgBox function.</p> <p>8.7 Analyse how to create a procedure to facilitate data entry through keyboard</p>

	<p>shortcuts.</p> <p>8.8 Demonstrate how to create a procedure to display application-specific error messages.</p> <p>8.9 Identify several types of data validation and various ways of implementation.</p>
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**Recommended Learning Resources:  
Microsoft Access**

<b>Text Books</b>	<ul style="list-style-type: none"> <li>• Microsoft® Office Access Inside Out. ISBN-10: 0735623252.</li> <li>• Microsoft® Office Access Step by Step. ISBN-10: 0735615179</li> <li>• New Perspectives on Microsoft Office Access, Comprehensive (New Perspectives) by Joseph J. Adamski and Kathy T. Finnegan. ISBN-10: 142390589X</li> <li>• Special Edition Using Microsoft Office Access by Roger Jennings. ISBN-10: 0789735970</li> </ul>
<b>Study Manuals</b> 	BCE produced study packs
<b>CD ROM</b> 	Power-point slides
<b>Software</b> 	Microsoft Access