

| Unit Title: Using Structured Query Language (SQL) | |
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| Level: | Two |
| Credit Value: | 5 |
| GLH: | 40 |
| OCNLR Unit Code: | CN0/2/LQ/014 |
| Ofqual Unit Reference Number: | L/616/8902 |

This unit has 5 learning outcomes

| LEARNING OUTCOMES | ASSESSMENT CRITERIA |
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| The learner will: | The learner can: |
| 1. Be able to interrogate a database using Structured Query Language (SQL) statements to retrieve records from a single table. | 1.1. Create a query using the SQL SELECT and FROM clauses to select all records and fields from a single table. 1.2. Create a query using the SQL WHERE clause to select records from a single table on specified conditions. 1.3. Use the SQL Bitwise Operators AND and OR to use more than one condition in a query and use at least one Comparison Operator to set conditions on searches. 1.4. Select specified data using a SQL Wildcard character. |
| 2. Be able to use SQL join statements to combine data from multiple tables. | 2.1. Use a SQL INNER JOIN statement to combine data from two tables. |
| 3. Be able to sort, group and summarise records using SQL Statements. | 3.1. Sort records into specified order using the SQL ORDER BY clause. 3.2. Group selected records using the SQL GROUP BY clause. 3.3. Create summary queries using SUM and AVERAGE functions. |
| 4. Be able to create and use a parameter query. | 4.1. Create a parameter query using more than one field in an SQL statement. |

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| <p>5. Be able to manipulate tables using SQL.</p> | <ul style="list-style-type: none">5.1. Use the SQL CREATE TABLE command to create a new table with appropriate field definitions.5.2. Use the SQL INSERT INTO command to insert data into a table.5.3. Use the SQL UPDATE command to update all the data in a specified field based on a calculation.5.4. Use the SQL UPDATE command with a WHERE clause to update one record in a table.5.5. Use the SQL DELETE FROM command to remove all data from a table.5.6. Use the SQL DELETE FROM command with a WHERE clause to remove some data from a table.5.7. Use the SQL DROP TABLE command to remove a table from a database. |
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Assessment

The grid below provides suggestions for the types of assessment activities that can be used with the unit attached to provide evidence for the learner's portfolio. Please refer to the OCN London Assessment Guidance document for definitions of each activity and the expectations for assessment practice and evidence for moderation.

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| Case Study | | Project | ✓ |
| Written question & answer/test/exam | | Role play/simulation | |
| Essay | | Practical demonstration | ✓ |
| Report | | Group discussion | |
| Oral question and answer | | Performance/exhibition | |
| Written description | | Production of artefact | |
| Reflective log/diary | | Practice file | ✓ |