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| **Task 1:** **CREATING CALCULATIONS** |
| Using the uni database;   1. Count how many students are enrolled overall 2. Calculate the sum of full time fees for every full-time course 3. Identify the cost of the least and most expensive course 4. Calculate the average cost of all part time courses 5. Calculate the fee of each full time course after applying (subtracting) the scholarship discount   Extension:   1. Select only the course number of the cheapest full-time course 2. Find cost of the most expensive course after applying the scholarship discount 3. Count the number of applications for History courses made between 01/03/2020 and 30/08/2020 |

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| **Task 2: DATABASE FUNCTIONS** |
| Combine what you have learned about SQL functions to write solutions for the following problems:   1. Write a select statement to obtain all of the student information for successful applications made for Course 11 which do not relate to current students 2. Modify the select statement from the previous example into an insert statement and insert the data into the student table 3. Write a select statement to obtain all the information for the unsuccessful applications made for Course 11 4. Modify the select statement from the previous example into a delete statement and delete the unsuccessful Course 11 5. Write a select statement to identify the unsuccessful applications for course 1 made after 01/03/2020 6. Using the select statement from the previous example, modify it into an update statement and update the applications to successful 7. Roll back the previous update |

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| **Task 3: Stretch and Challenge - INNER JOINS** |
| 1. Obtain a list of Students and the name of the Courses they are studying 2. Obtain a list of course names, full time fees and part time fees for each course 3. Obtain a list of classIDs for the Economics Course and the modules they relate to |

**Marking Criteria Tasks**

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|  | **Pass** | **Merit** | **Distinction** |
| **Syntax** | * Attempts to use SQL syntax with some success | * SQL syntax is largely accurate with some errors | * SQL syntax is consistently accurate and appropriate to the task |

## **Marking criteria Task 1-3**

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|  | **Pass** | **Merit** | **Distinction** |
| **SQL** | * Attempts to create the SQL for the task and bare some resemblance to the answer | * Successfully completes the SQL Using separate insert commands | * Successfully completes the SQL Using a single insert command * All SQL is formatting correctly |