Task 1: Creating a Database

- Create a database in MongoDB of your choice
- Create 3 Collections
- Insert at least 10 documents into each collection
- Search for one of documents passed on a index.
- Update a collection
- Delete a Collection

Task 2: Query Database

Install the attached uni database and write queries to extract the specified below data.

- Find all the documents from the student collection which CourseID 4.
- Find all the documents from the student collection which CourseID 5 and Forenames is Joe.
- Find all the documents from the student collection which CourseID 5 or Firstname is Joe.
- Find all documents from the application collection and sort by studentID.
- In the class collection, count the number of LecturerID which is equal to 11.

Optional Extension

1. See if you can connect MongoDB to Python. W3schools will help you to get started. Once you are connected, have a go at writing your own queries. https://www.w3schools.com/python/python_mongodb_getstarted.asp

2. Have a go at the mini project on Free Code Camp; How to Handle Advanced Data Processing with MongoDB's Aggregation Framework https://www.freecodecamp.org/news/mongodb-aggregation-framework/

Marking Criteria Tasks1-2

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