WEEK 4 Module 12

Database: Intro to Data Management

What and Why Database?

A database is a collection of data, usually stored in electronic form. A database is typically designed so that it is easy to store and access information. Databases are very essential for reasons such as:

- Large data management
- Accuracy
- Easy data update
- Improved data security
- Better data integrity
- Enhanced data analyzation
- …and much more

Check out

https://www.futurelearn.com/info/courses/introduction-to-databases-and-sql/0/steps/75849

https://www.tutorialspoint.com/Why-do-we-need-a-Database

Categories and Types of Databases

There are various database categories and types. We have centralized database, cloud database, commercial database, NoSQL database, relational database, and much more.

https://www.matillion.com/resources/blog/the-types-of-databases-with-examples

Intro to MongoDB

Getting started with MongoDB is pretty easy. But first, we will have to setup our MongoDB database. For this, we will be making use of Atlas.

MongoDB Atlas is the global cloud database service for modern applications. Atlas is the Easiest Way to Deploy, Operate, and Scale MongoDB in the Cloud in Just a Few Clicks.

https://www.mongodb.com/cloud/atlas/register