TAREA 5.2

ACTIVITY 2

Summarize the text below in 250-300 words. Folow these steps:

1. Read the text.
2. Underline the relevant information in each paragraph
3. Make notes about main points
4. Make sentences from the notes
5. Write your first draft
6. Improve this draft by reducing sentences.
7. Write a final version of your summary.
8. Check spelling and grammar.

http://en.wikipedia.org/wiki/Database

Databases are a crucial element of modern computing, playing an essential role in numerous industries and research areas. They are digital data storage systems that can store, organize, and manage large amounts of data, from simple text to complex multimedia files. Designed to be scalable and efficient, databases can handle vast volumes of data and multiple users simultaneously, enabling them to be used in various applications such as e-commerce, scientific research, and social networking.

There are various types of databases, including relational, hierarchical, and object-oriented databases. The relational database is the most commonly used type and employs a set of tables to store data and relationships between the tables. On the other hand, hierarchical databases store data in a tree-like structure, while object-oriented databases store data in objects that contain both data and behavior.

Databases are often used in combination with database management systems (DBMS), which are software applications that allow users to interact with and manage the data stored in a database. DBMS systems provide features such as security, backup and recovery, and data analysis tools. These systems can also ensure data integrity, ensuring that the data stored in the database is accurate and consistent.

In conclusion, databases are an integral part of modern computing, providing efficient and scalable data storage and management. Relational, hierarchical, and object-oriented databases each have their strengths and weaknesses, and database management systems are frequently used to manage and interact with the data stored in a database, providing various features to support data security, backup and recovery, and data analysis.