

# ByteWise Fellowship – Week 1

Module: DE Basics

Date :15-March-2023

## 1. Can a database be used as DWH?

Yes The database can be used as the data warehouse but it will lack a lot of functionalities that a data Warehouse provides. Hence the desired results which a data warehouse can provide will not be achieved.

Moreover if we talk about a data warehouse it is a database but with additional necessary features that distinguishes it from a typical database.

## 2. Major differences between structured and Unstructured data?

Structured Data	Unstructured Data
<ul style="list-style-type: none"><li>● Follows specific pattern and format</li><li>● Usually have rows and columns</li><li>● Can be easily manageable and processed</li><li>● Requires less storage</li><li>● Not flexible</li></ul>	<ul style="list-style-type: none"><li>● Don't follow any specific pattern and format</li><li>● The data can be in emails, text videos, pictures and other formats</li><li>● Difficult to manage and process</li><li>● Requires more storage</li><li>● Flexible</li></ul>

## 3. What are the duties of a data engineer? (high-level)

- Database Administrations.
- Building and maintaining pipeline Architectures.
- Modelling and maintaining Data Repositories.
- Providing Data to Data analysts and Data Scientists.
- Transforming Data to actionable information.