

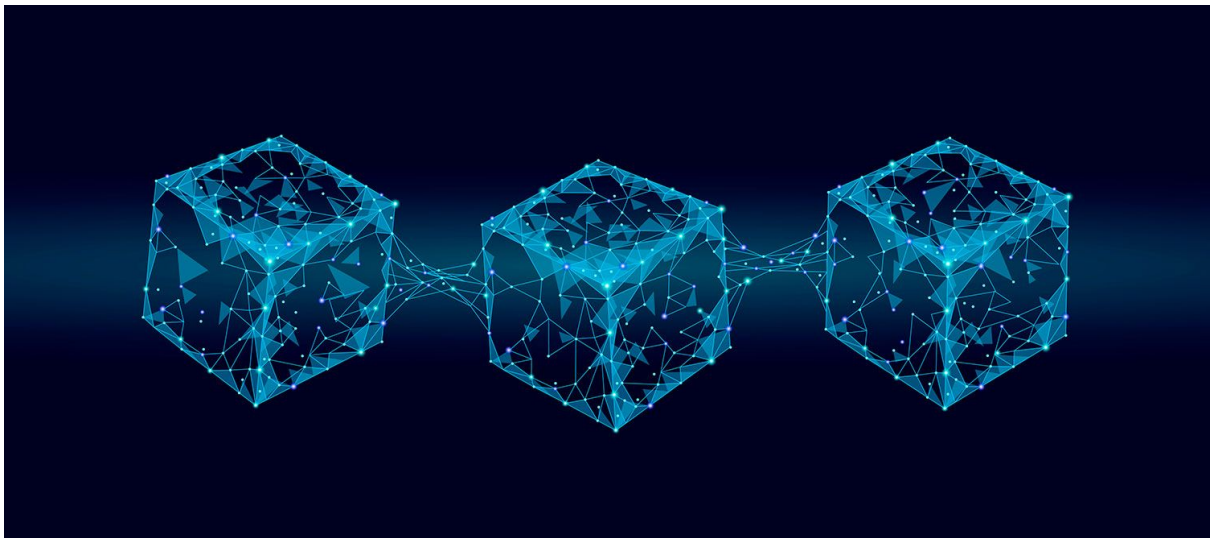
# ASSIGNMENT 1

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## 1. What is your understanding of Blockchain?

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- To put it in simple terms :  
"BLOCKCHAIN" is just a bunch (Collection) of **blocks** that are **chained** (linked) together using **Cryptography** (An Encrypting Methodology).
- Each Block holds transactional details (Confidential data), it acts as a container to hold information.



## 2. What is the Core problem Blockchain is trying to solve?

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It addresses the following problems :

- **Data Integrity** : The information remains complete, accurate, and reliable.
- **Authenticity** : Protects against critical cyber attacks such as phishing, man-in-the-middle, replay attacks etc.
- **Data Security** : Ensures that your data is encrypted.

- **Centralization issues** : Doesn't rely on a single central server making it immune to data crashing.
  - **Trust** : Develops trust among its members.
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### 3. What are the few features that Blockchain will give us?

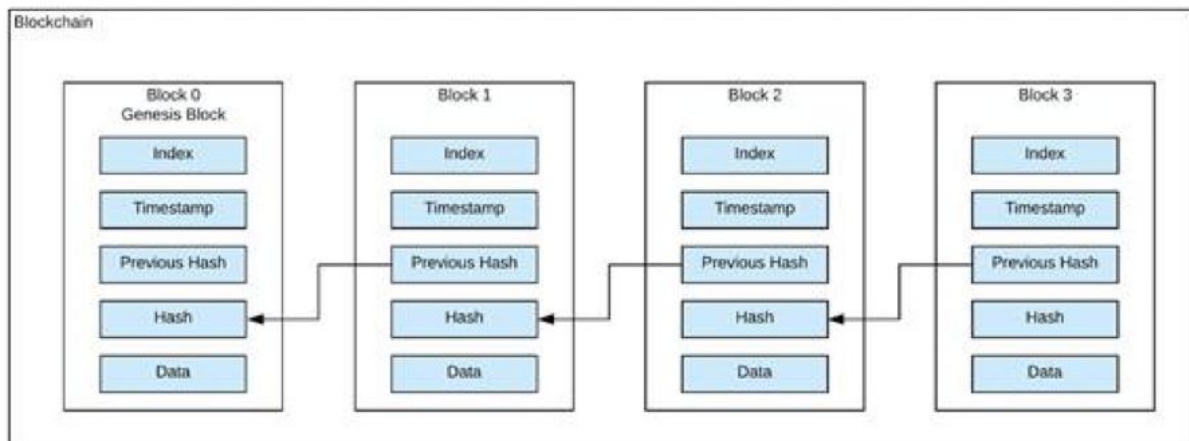
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Some of the features that Blockchain provides u are :

- **Immutability** : Resistant to data modification
  - **Decentralisation** : Has a decentralised server
  - **Distributed Ledger** : Every node has its own server
  - **Data Transparency** : Is visible to everyone
  - **Hack Proof** : Is very safe and secure
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### 4. What all things does a Block contain ?

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### 5. How is the verifiability of Blockchain has been attained ?

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It attains verifiability by following a set of procedures which addresses all the four common concerns of a public peer-to-peer network ( Confidentiality, Integrity, Non-Repudiation, Authenticity ) making it very immune to hacking and data breaching.

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