

 Hash Your First Block – Blockchain Basics and Setup  
  
**Objective/Aim:**  
  
 To study and understand the basics of blockchain and how its linked with each other .

**Apparatus/Software Used:**

* Laptop/PC
* PowerPoint/Word for documentation
* Internet for research

**Theory/Concept:**

1. Blockchain is a shared immutable ledger that facilitates the process of recording transactions and tracking assets across a business network.
2. Blockchain uses the three principles of cryptography, decentralization, and consensus to create a highly secure underlying software system that is nearly impossible to tamper with. There is no single point of failure, and a single user cannot change the transaction records.
3. The key benefit of blockchain lies in its ability to provide security, transparency and trust without relying on traditional intermediaries, such as banks or other third parties.



**Procedure:**

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

1.  Studied theoretical concepts of blockchain technology.



1. Created a PowerPoint presentation on blockchain technology.

**Observation Table:**

|  |  |  |
| --- | --- | --- |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |