Day 1 Assignment :

1. What is your understanding of Blockchain?
Answer -
A blockchain is a database that is shared over a system of computers. When a record has been added to the chain it is exceptionally hard to change. To guarantee all the duplicates of the database are the equivalent, the system makes steady checks.

2. What is the core problem Blockchain trying to solve?
Answer -
Core problems:

1. Security
2. Authentication.
3. Decentralization.
4. Track & Record

3: What are the few features which Block-chain will give you?
Answer -
1. Verifiable
2. Unchangeable
3. Tamper proof
4. Immutable
5. Decentralized System

4. What all things does a block contain?
Answer -
1. Block number.
2. Transaction Records .
3. Previous block signature.
5. Mining Key.

5.How is verifiablility of block chain attained?
Answer -
The Blockchain can be verifiability by the data or the key which are stored in the distributed systems.

Formula:-

Current Block Signature = Previous Block Signature + Data of the Current Block
ex: BlockData = Fingerprint1
New Data1 + previous fingerprint(1) = fingerprint (2)
New Data2 + previous fingerprint(2) = fingerprint (3)
New Data3 + previous fingerprint(3) = fingerprint (4) and
so on...