Day-1/Assignment-1

Q-1) What is your understanding on blockchain??

A-1) Blockchain is the technology that leverages the concept of distributed database and cryptographic algorithm to make the internet and data robust against different type of malpractice on the internet.

Q-2) What is the core problem Blockchain trying to solve ?

A-2) The core problem which the blockchain trying to solve are data tampering and authenticity and eradicate the need of the third- party members on the internet.

Q-3) What are the new features which Blockchain will give you?

A-3) The features which blockchain provides are:

1. Distributed database
2. Data availability
3. Transparency
4. Tamper-free
5. Authenticity

Q-4) What all things does a Block contain?

A-4) The Block contain following:

1. Previous block hash
2. Data
3. Nuance value
4. Current block hash

Q-5) How is the verifiability of blockchain has been attained ?

A-5) The verifiability of Blockchain is based on the byzantine fault tolerance principle. In these, whenever new block appeared in the network all the node connected peer- to -peer with all the other node present in the network checks the hash value of the block and if the hash value is same for every node then the block is verified and added into the chain.