

ASSIGNMENT DAY-1(18-07-2020):

1.What is your understanding of Blockchain?

Ans. A blockchain can be considered as a type of ledger which keeps record of information on a permanent basis and these records are immutable. The security features are achieved with the help of hash keys, which are nothing but unique keys in the form of a special code for given set of records. Each set refers to a block, and every block contains previous key information, and current key. These blocks are in chronological order.

2.What is the core problem Blockchain trying to solve?

Ans.The core problems are:

- a) Authentication issues.
- b) Security.
- c) Dependency on third parties.

3.What are the few features which Blockchain will give you?

Ans. Some of the features are:

- a) Verifiable.
- b) Unchangeable.
- c) Tamper proof.

- d) Immutable.
- e) Decentralized.
- f) No hacking.

4.What all things does a Block contain?

Ans. A block contains:

- a) Block number.
- b) Transaction records(data).
- c) Signature of previous block.
- d) Mining key.

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

Ans. Every block contains previous hash key and this key together with the data is used to generate hash key of current block. The same procedure is followed in a huge network of computers. So if any change in the data occurs in a computer, its whole chain will be different from others because one different hash key will lead to different keys in subsequent blocks. This helps to verify whether data is altered at any point in any computer.

