1.what is your understanding in blockchain?

A mix of technology-Distributed DataBase & Crypyography where information is Verifiable , Unchangeable , Tamper-proof , Immutable.

“A Blockchain is a constantly growing ledger that keeps a permanenet record of all the transactions that have taken place, in a secure , chronological and immutable way in decentralized distributed network”

A blockchain is a digital,public ledger that records online transactions. Blockchain is the core technology for cryptocurrencies like bitcoin.

**2.What is the core problem blockchain trying to slove?**

The main problem that blockchain solves results from the fact that computer databases simply cannot talk to each other without a layer of expensive fault-prone human administration or bureaucratic central authority controlling every node.

The most obvious problem that Bitcoin solves is that of a completely decentralized payment system that does not require validation by any trusted third party. With Bitcoin, everything is validated and secured thanks to the laws of mathematics and, of course, the work of the miners who secure the network by making their computing power available.

**3.What are the few features of Blockchain**

1.Increased Capacity

2.Better Security

3.Immutability

4.Faster Settlement

5.Decentralized System

6.Mining

7.Verifiability

8.Temper-proof

9.security

**ings does a Block contain?**

In Blockchain each block is a page of a ledger or a record book.

A Block contain

* Block Number
* Transaction records
* Previous Block Signature
* Mining Key

5.How is the Verifiability of Blockchain is been attained?

The verifiability of Blockchain is attained by a hash of the previous block. You can compare a hash to a fingerprint. This hash identifies a block and all of its contents which are always unique just like a fingerprint. Once a block is created, it’s hash is being calculated. Changing something inside the block will cause the hash to change. So in other words hashes are very useful when you want to detect changes in the blocks.