\*Day 1 assignment\*

Q. What is your understanding of Blockchain?

ans: Blockchain is a system in which information can be recorded in such a way that make it impossible to change or hack system. Blockchain in based on technologies like Distributed database and Cryptography.

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

ans: As there were many problem arises with Internet, Blockchain came into existence as solution to these problems.

The problems were:

1. Authenticity

2. Security

3. Need of powerful third party for trust.

Q. What are the few features which block chain will give you?

ans: Blockchain is mix of technologies and it provides features where information is

1. Verifiable

2. Unchangeable

3. Tamper proof

4. Immutable.

Q. What all things does a Blockchain contain?

ans: A block chain consist of

1. Block number

2. Important records (any data that you want to . store)

3. Pervious block key (except in genesis block)

4. Mining key

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

ans: Blockchain is based on Distributed database so the information stored gets distributed many place. If anyone loses his/her data they can get it as already many copies of same information will be present on different computers. And if anyone wants to crosscheck the data they can check by asking the copy from any one of those computer. Every blocks have it's unique finger print. Block consist of it's own number, record, mining key and pervious blocks fingerprint(not in genesis block), so if anyone tries to change any data the finger print of every other blocks gets change.

These finger prints are created as

Block1 A+B=C

Block2 C+D=F

Here B and D are data to be stored

C and F are security key of blocks.