**Assignment 1**

1. **What is your understanding of Blockchain?**

A Blockchain is a type of diary or spreadsheet containing information about transactions. Each transaction generates a hash. ... Each block refers to the previous block and together make the Blockchain. It is mix technology of Distributed Database and Cryptography.

1. **What is core problem Blockchain trying to solve?**

Blockchain was invented by a person (or group of people) using the name Satoshi Nakamoto in 2008 to serve as the public transaction ledger of the cryptocurrency bitcoin. The identity of Satoshi Nakamoto remains unknown to date. The invention of the blockchain for bitcoin made it the first digital currency to solve the double- spending problem without the need of a trusted authority or central server. The bitcoin design has inspired other applications,and blockchains that are readable by the public are widely used by cryptocurrencies.

1. **What are the few features Blockchain will give you?**

* Verifiable
* Unchangeble
* Tamper-proof
* Immutable

1. **What all things does Block Contain?**

A Block Contain Block Number, Transaction records, Previous Block Signature, Mining Key

1. **How is the verifiability of Blockchain has been attained?**