**Assignment 1:**

**Question 1: What is your understanding of Block Chain?**

**Answer 1**: A block chain is a global online database which anyone anywhere with an internet connection can use. Because it exists on the internet, it is “decentralized”, meaning the block chain ledger is shared among all computers around the world, not in one central location. It contains data which is immutable, unchangeable, tamper proof and verifiable.

**Question 2: What is the core problem block chain trying to solve?**

**Answer 2**: A) To increase security B) There is authenticity. C) To remove the dependency upon third parties. D) To transform the digital currency.

**Question 3: What are the new features which block chain will give you?**

**Answer 3**: A) No hacking B) Verifiable C) Data transparency D) Decentralization E) Immutable.

**Question 4: What all things a block contain?**

**Answer 4**: It contains:

A) Block Number.

B) Transaction Records.

C) Previous Block Signature.

D) Mining key.

**Question 5: How is the verifiability of block chain has been attained?**

**Answer 5**: It is based upon distributed database so it prevents data loss in any situation. All the networks will check the changes in the data if any change has occurred.