Lesson 2

Mining

When the transaction reached to the network it is not immediately become the part of ledger

The bitcoin system of trust is based on Computation. The transaction is kept in unverified pool. The all nodes pick the transaction from the pool and make the block and put the transaction in the block and then solve the puzzle to verify that block.

**BITCOIN MINING**

The Purpose of bitcoin mining are

1. To Validate the transaction when it become the part of bitcoin
2. Generate the new currency

Proof of Work generate the hashes with the help of block header and random number(nonce) with **SHA256 cryptography** until it matches the solution.