Merkle Tree

When a block is created the header is picked and the hash of the header are generated .

**Header includes**:

1. Merkle Root
2. Previous Block Hash
3. Blockchain version
4. Nonce
5. Difficulty
6. Block Size

Merkle Root is a Hash which is the one hash of the Block of all the transaction happens in this block.

Merkle Tree play an important role if we want to verify the whole ledger of blockchain.

What happens when the transaction are in odd format?

**If we have 3 transaction then how Merkle tree is made?**

The duplicate hash of 3rd tree is generated to compensate the Merkle tree structure.

1 2 3 3