

Andres Block Chain Understanding

1) Hash Generation Handson

Here data is enter in data field and SHA256 algorithm run on data to generate Hash Key

Blockchain Demo

HashBlockBlockchainDistributedTokensCoinbase

SHA256 Hash

Data:

I working In Andres BlockChain

Hash:

819966ade2f3ee03baae63fd4d65b8bb08258e1e96015a2d3fd9da9203e83079b

2) Block Handson

Block in one unit in Blockchain. The element of block are Block number, Nounce/Block Key, Data and Hash.

The Block number number , Nounce and Data needs to be entered, for which a new Hash key is generated. The Hash key first four digits should be zero.

Blockchain Demo

HashBlockBlockchainDistributedTokensCoinbase

Block

Block:

1

Nonce:

67058

Data:

I am learning andreas Block unit

Hash:

0000d46a52883c9a3d1fb97b91aa6bef297562b4cc8506b1b55f02206021d5a1

Mine

3) Block Chain Handson

Block Chain is a collection of immutable blocks. Where Block contains prev and current Hash key. This mechanism adds lot of security and makes data change impossible.

Blockchain Demo

HashBlockBlockchainDistributedTokensCoinbase

Blockchain

Block: # 1

Nonce: 21311

Data: I am In block 1

Prev: 00

Hash: 00006c2014ca93ec77b3408b063ba7a7fcd3ae1961b20e37cd3

Mine

Block: # 2

Nonce: 20237

Data: I am In Block 2

Prev: 00006c2014ca93ec77b3408b063ba7a7fcd3ae1961b20e37cd3

Hash: 0000504dfc761c0c7dea6afa3e9a1049429350314ba5fe332ec

Mine

Block: # 3

Nonce: 12937

Data:

Prev: 0000504dfc761c0c7dea6a

Hash: a022cc14be587eb38dc41d

Mine