Experiment-3.

→ Aim / Overview of the practical :- Create a blockchain network with minimum of 6 blocks.

→ Task to be done :- Creating blockchain network by adding bot using simulation demo.

→ Theory :- Blockchain consists of a list of records. Such records are stored constitute a chain that are linked with other records are called blockchain.
Blockchain is created as a chain of blocks where each of these block has some digital information. Each of the blockchain blocks has a unique 32-bit whole number called a nonce which is connected to a 256-bit hash number attached to it. The block are connected to each other using chain of a cryptography hash function, which links each block with previous block.

→ Steps of the Experiment / Practical :-
For a distributed blockchain i.e. to perform & write name in each block for hash value of block visit https://anderbrencworth.com/blockchain/distributed.
Step to create a blockchain :-
a) Click on the URL & visit https://blockchaindemo.io.
b) Create a block for the existing peer.
c) After adding new block continue the process of adding blocks
d) After adding new block share peer by making new peer.

Connect a peer of that blockchain node to new peer :-
a) Create another peer, click on ADD peer button.
b) Select the new peer created.
c) Enter the data in the data field & click add new block.

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d) Add the block as per requirment.
e) Connect the newly created peer by clicking on the connect symbol.
Two or more peer of blockchain connected for one.

→ Output:-
For distributed blockchain DS figures, 6 blocks with data & containg the hash value.

→ Learing Outcomes :-
i) Understood the concept of distributed blockchain.
ii) Learned about how blocks are connected in blockchain technology.
iii) Understood concept of Hashing in blockchain.

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