Working of Blockchain

Initialized The Blockchain

`127.0.0.1:5000/get_chain`

{"chain":[{"block_number":1,"data":"sathwik","nonce":1,"prev_hash":"0"}],"length":1}

Added the first block

`127.0.0.1:5000/mine_block/this_is_my_first_block`

{"block_number":2,"data":"this_is_my_first_block","message":"You just mined a Block","nonce":71,"prev_hash":"523ce21ee4b58e12320407935f4465776204738f48d18d14ef978d3e794baa57"}

Added the second block

`127.0.0.1:5000/mine_block/this_is_my_second_block`

{"block_number":3,"data":"this_is_my_second_block","message":"You just mined a Block","nonce":4436,"prev_hash":"ec055b516bff3f6b97e2b47af2f9bf545e54f7478e19fe699f1d28f8aa748e6f"}

Added the third block

`127.0.0.1:5000/mine_block/this_is_my_third_block`

{"block_number":4,"data":"this_is_my_third_block","message":"You just mined a Block","nonce":6588,"prev_hash":"a9fcd6e901b562ee819d25fd3fa0c1bf28e840150ec6bcd8f52a6763f26a7e90"}

Added the fourth block

`127.0.0.1:5000/mine_block/this_is_my_fourth_block`

{"block_number":5,"data":"this_is_my_fourth_block","message":"You just mined a Block","nonce":3855,"prev_hash":"1b7d91f7f6e928c36dcd54e951d815775e047f8daeb2b64e73772d8ab37cc306"}

Displaying the Chain

`127.0.0.1:5000/get_chain`

{"chain":[{"block_number":1,"data":"sathwik","nonce":1,"prev_hash":"0"},
{"block_number":2,"data":"this_is_my_first_block","nonce":71,"prev_hash":"523ce21ee4b58e12320407935f4465776204738f48d18d14ef978d3e794baa57"},
{"block_number":3,"data":"this_is_my_second_block","nonce":4436,"prev_hash":"ec055b516bff3f6b97e2b47af2f9bf545e54f7478e19fe699f1d28f8aa748e6f"},
{"block_number":4,"data":"this_is_my_third_block","nonce":6588,"prev_hash":"a9fcd6e901b562ee819d25fd3fa0c1bf28e840150ec6bcd8f52a6763f26a7e90"},
{"block_number":5,"data":"this_is_my_fourth_block","nonce":3855,"prev_hash":"1b7d91f7f6e928c36dcd54e951d815775e047f8daeb2b64e73772d8ab37cc306"},
{"block_number":6,"data":"get_chain","nonce":663,"prev_hash":"3be54e9f3a41e0272dae22fc77f88c5a0de31822753c2dfc9c52f74f5071c5f4"}],"length":6}

Validating the chain

`127.0.0.1:5000/is_valid`

{"message":"Yes its valid"}