

Practical – 8: To implement Smart Contracts on Decentralized Apps using oneclickdapp.com website

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Here, in this practical, we are implementing a simple Smart Contract as a Decentralized Application, where we use GUI from the oneclickdapp.com by simply using the ABI code of the contract and the deployed contract address using the Goerli network.

```

pragma solidity ^0.4.0;

contract sample_dapp {
    uint value;
    function initialize(uint x) public {
        value = x;
    }

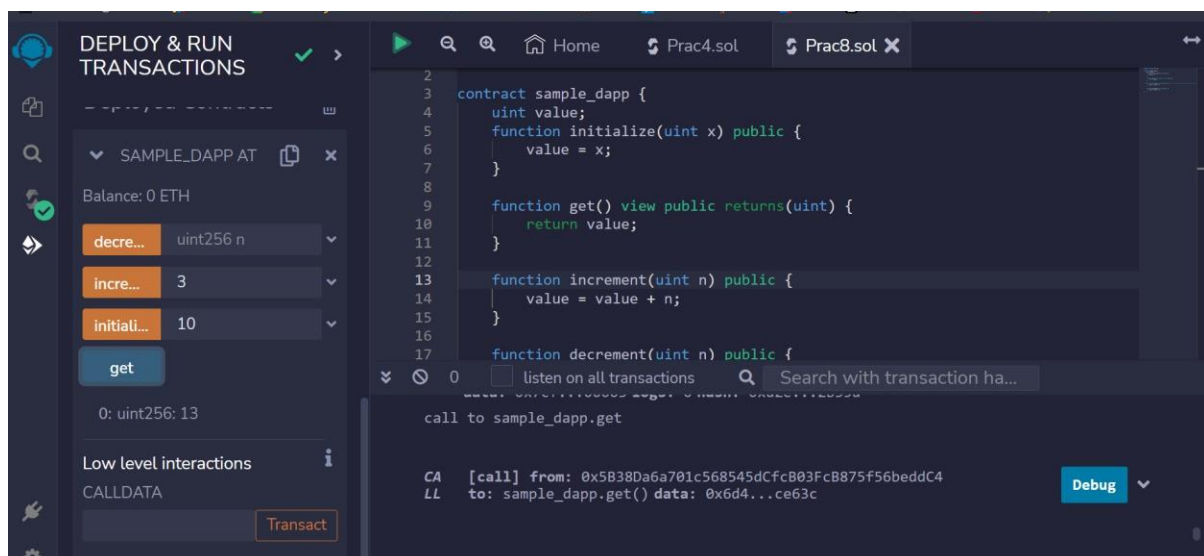
    function get() view public returns(uint) {
        return value;
    }

    function increment(uint n) public {
        value = value + n;
    }

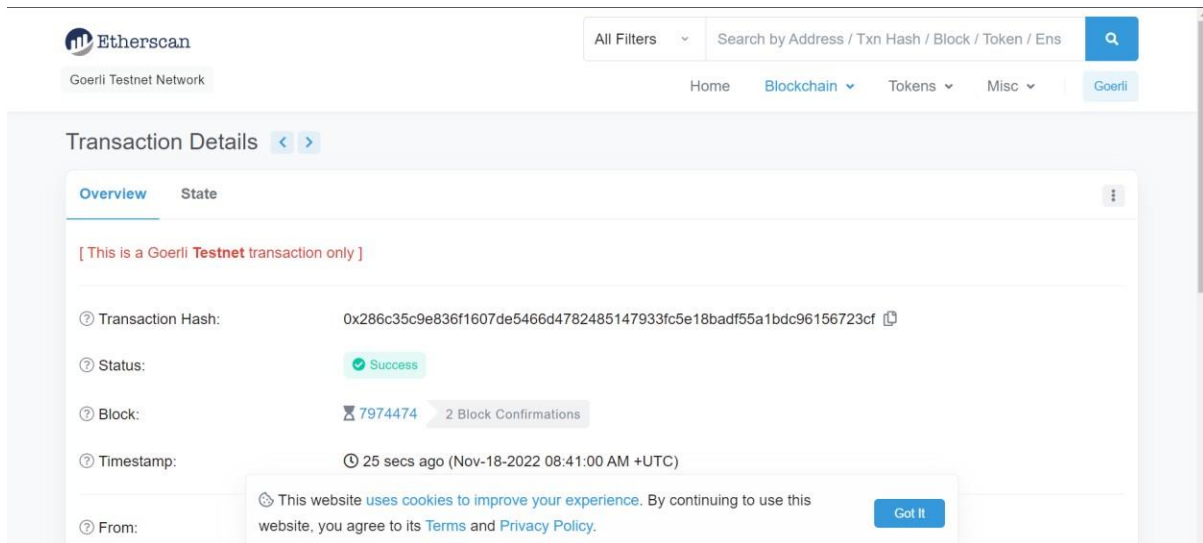
    function decrement(uint n) public {
        value = value - n;
    }
}

```

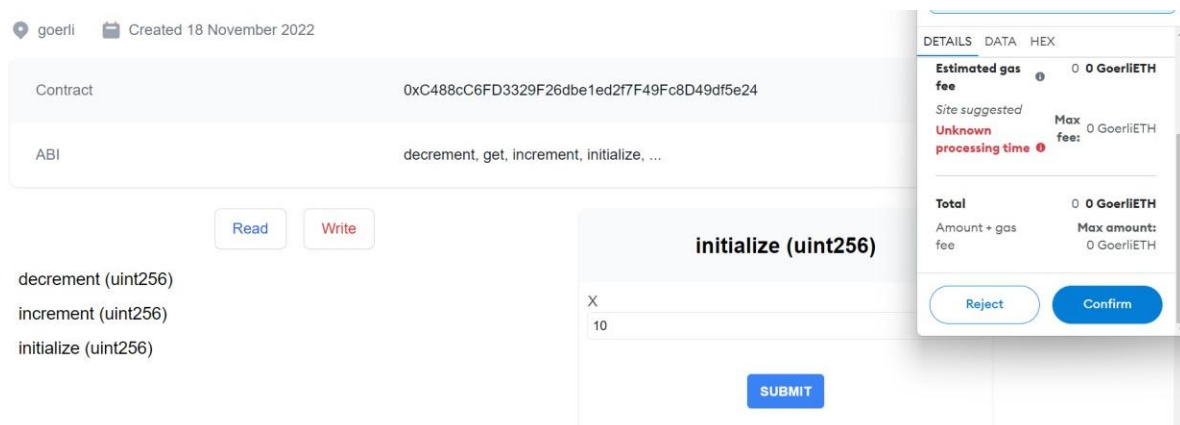
Output of initializing the value to 10 and incrementing it by 3 is shown below:



Here, is the screenshot of the deployed smart contract on the Etherscan:



Screenshots of the smart contract deployed on the oneclickdapp.com platform:



Contract

0xC488cC6FD3329F26dbe1ed2f7F49Fc8D49df5e24

ABI

decrement, get, increment, initialize, ...

Read

Write

decrement (uint256)

increment (uint256)

initialize (uint256)

increment (uint256)

N

3

SUBMIT

DETAILS DATA HEX

suggested

Likely in < 30 seconds

Max fee: 0.00410827 GoerliETH

Total

0.0030601

0.0030601 GoerliETH

Amount + gas fee

Max amount: 0.00410827 GoerliETH

Reject

Confirm

