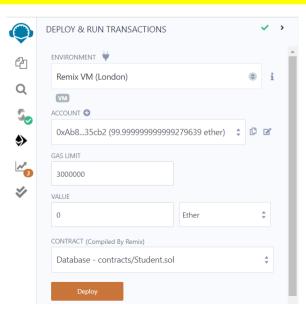
```
//SPDX-License-Identifier: Unlicensed
pragma solidity ^0.8.0;
contract Database{
    struct student{
        int ID;
        string _fname;
        string _lname;
    }
    int public Count = 0;
    mapping(int => student) public stdRecords;
    function addNew(int _id, string calldata _fname, string calldata _lname) public{
                        Count+=1;
                        stdRecords[Count] = student(_id, _fname, _lname);
                    }
    event received(address user, uint amount);
    receive() external payable{
        emit received(msg.sender, msg.value);
    }
}
```

Database Contract Owner:

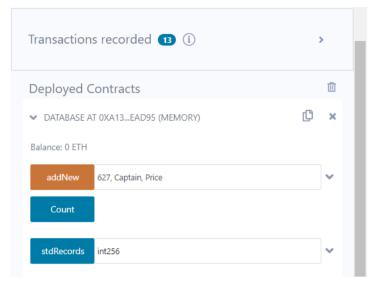
0xAb8483F64d9C6d1EcF9b849Ae677dD3315835cb2

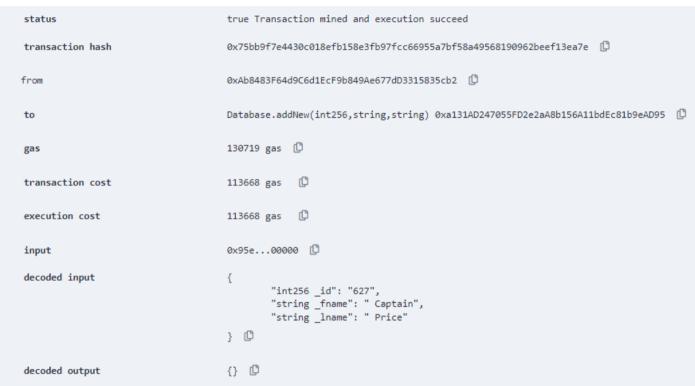
Database Contract Address:

Oxa131AD247055FD2e2aA8b156A11bdEc81b9eAD95



Add New Student

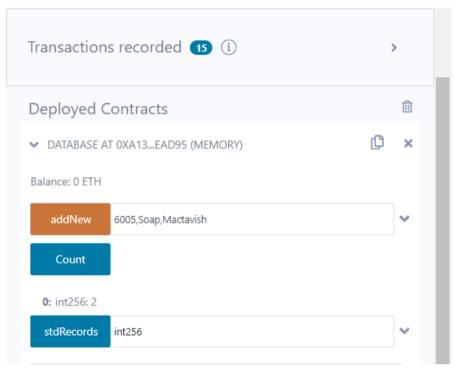


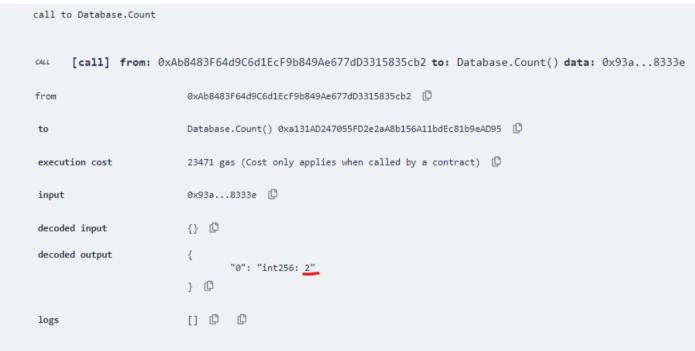


Gas cost for Adding new Student to contract



Return Count of Students in Contract

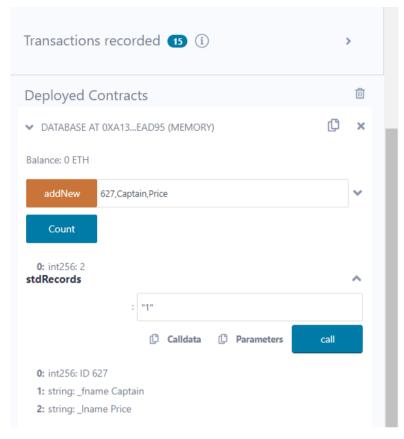




Gas cost to get Count of Students in record

execution cost 23471 gas (Cost only applies when called by a contract)

Search Student in Contract Records



```
call to Database.stdRecords
       [call] from: 0xAb8483F64d9C6d1EcF9b849Ae677dD3315835cb2 to: Database.stdRecords(int256) data: 0xcd9...00001
CALL
                                  0xAb8483F64d9C6d1EcF9b849Ae677dD3315835cb2
                                  Database.stdRecords(int256) 0xa131AD247055FD2e2aA8b156A11bdEc81b9eAD95
 to
                                 30414 gas (Cost only applies when called by a contract)
 execution cost
                                  0xcd9...00001 🗓
 input
decoded input
                                          "int256 ": "1"
                                  } (
decoded output
                                          "0": "int256: ID 627",
"1": "string: _fname Captain",
"2": "string: _lname Price"
                                  } 😃
                                  [] 🗘 🗘
 logs
```

Gas cost to Search Student in record

execution cost 30414 gas (Cost only applies when called by a contract)