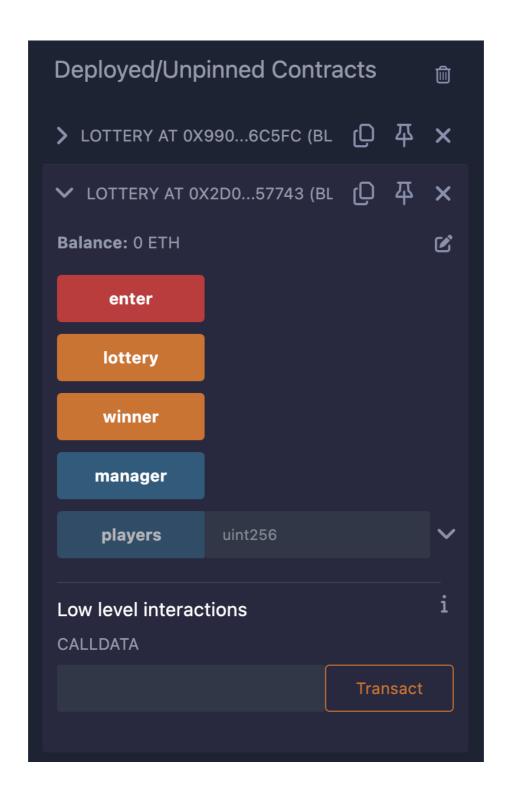
Blockchain Lab

Assignment-5

Name: Aditya Pathak Subgroup: 3NC2

Roll Number: 102115044

```
AI O AI AI AI O O O O O
                            fottery_task5.sol X
    //SPDX-License-Identifier: MIT
2
    pragma solidity ^0.8.0;
    contract Lottery{
       address public manager;
       address[] public players;
       10
          manager = msg.sender;
11
12
       13
14
          require(msg.value > .01 ether);
15
          players.push(msg.sender);
17
18
       return uint(keccak256(abi.encode(block.timestamp, players)));
19
20
21
22
       23
          uint index = random() % players.length;
          payable(players[index]).transfer(address(this).balance);
25
          players = new address[](0);
26
27
28
       modifier restricted(){
29
          require(msg.sender == manager);
30
31
32
```



Deployment