VIT Vidyalankar Institute of Technology
Accredited A+ by NAAC

Department of Information Technology

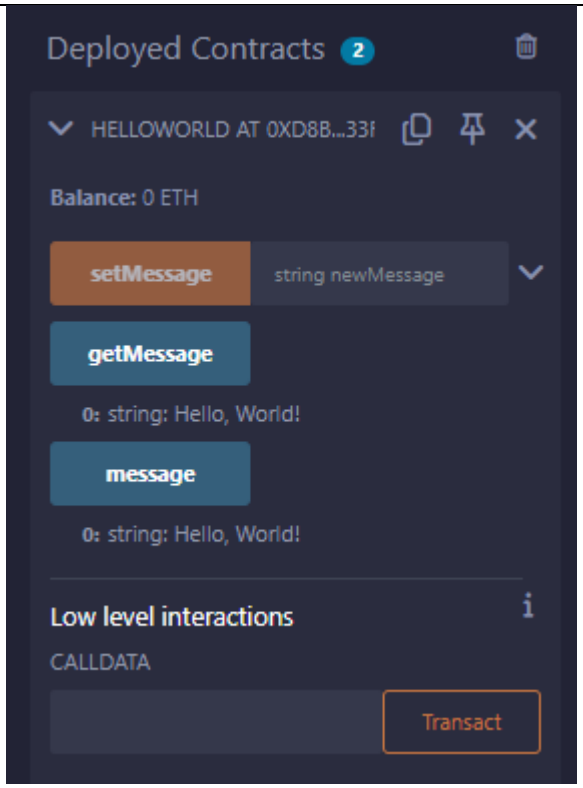
Semester	B.E. Semester VIII – INFT (A)
Subject	Blockchain Lab
Laboratory Teacher	Prof. Vinita Bhandiwad
Laboratory	L07C

Student Name	Aarya Bhutkar
Roll Number	21101A0028

Experiment Number	02
Problem Statement	Implementing "Hello World" in Solidity using Remix IDE
Code	

```
// SPDX-License-Identifier: MIT
pragma solidity ^0.8.0;

contract HelloWorld {
    // A public variable to store the message
    string public message;

    // Constructor to set the initial message
    constructor() {
        message = "Hello, World!";
    }

    // Function to update the message
    function setMessage(string memory newMessage) public {
        message = newMessage;
    }

    // Function to retrieve the message
    function getMessage() public view returns (string memory) {
        return message;
    }
}
```

Output


Deployed Contracts 2
HELLOWORLD AT 0XD8B...33
Balance: 0 ETH
setMessage
string newMessage
getMessage
0: string: Hello, World!
message
0: string: Hello, World!
Low level interactions
CALLDATA
Transact