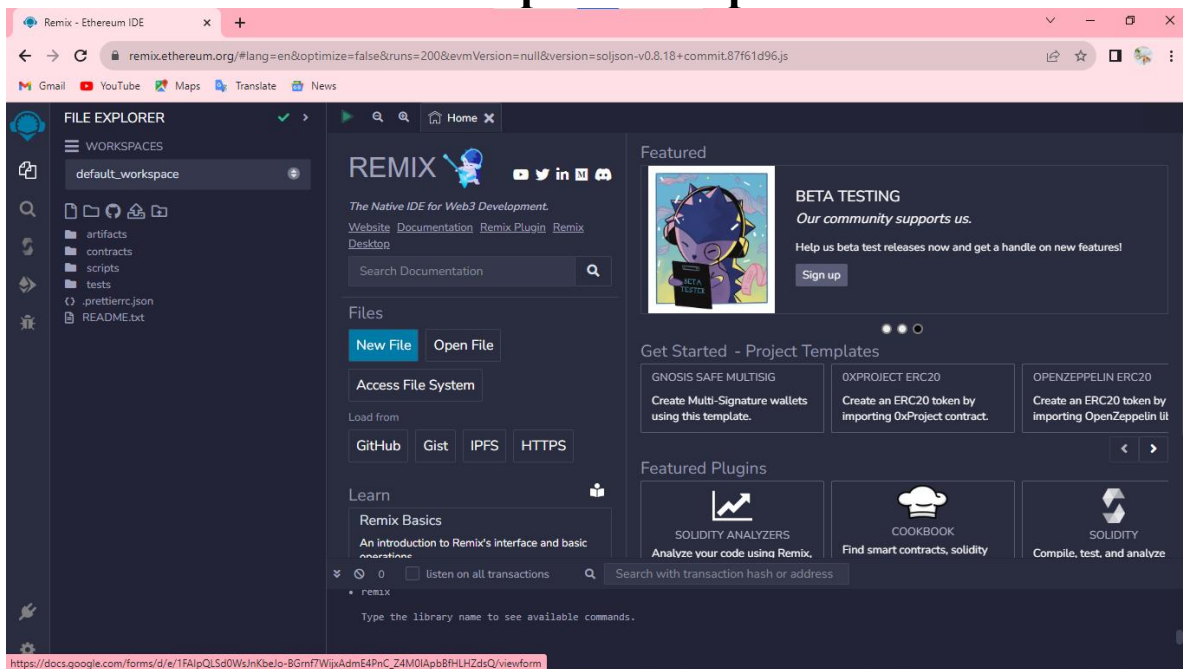


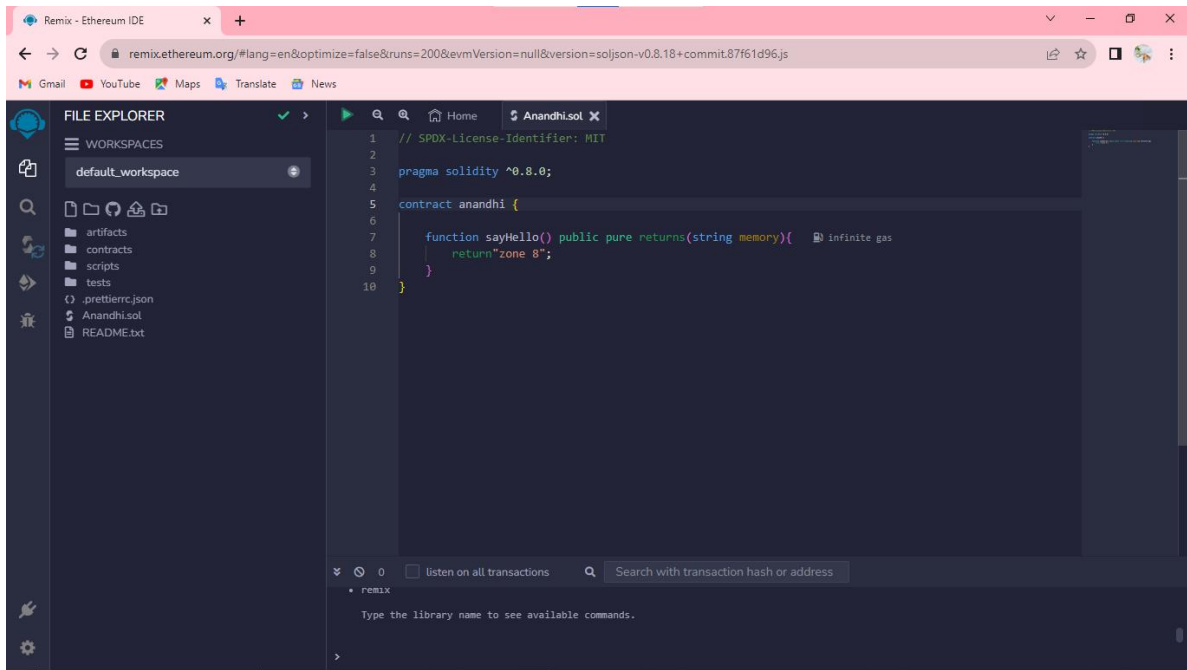
ASSIGNMENT-1

NAME	Anandhi
ZONE	8
COLLEGE	GANESH COLLEGE OF ENGINEERING
TEAM ID	NM2023TMID00452

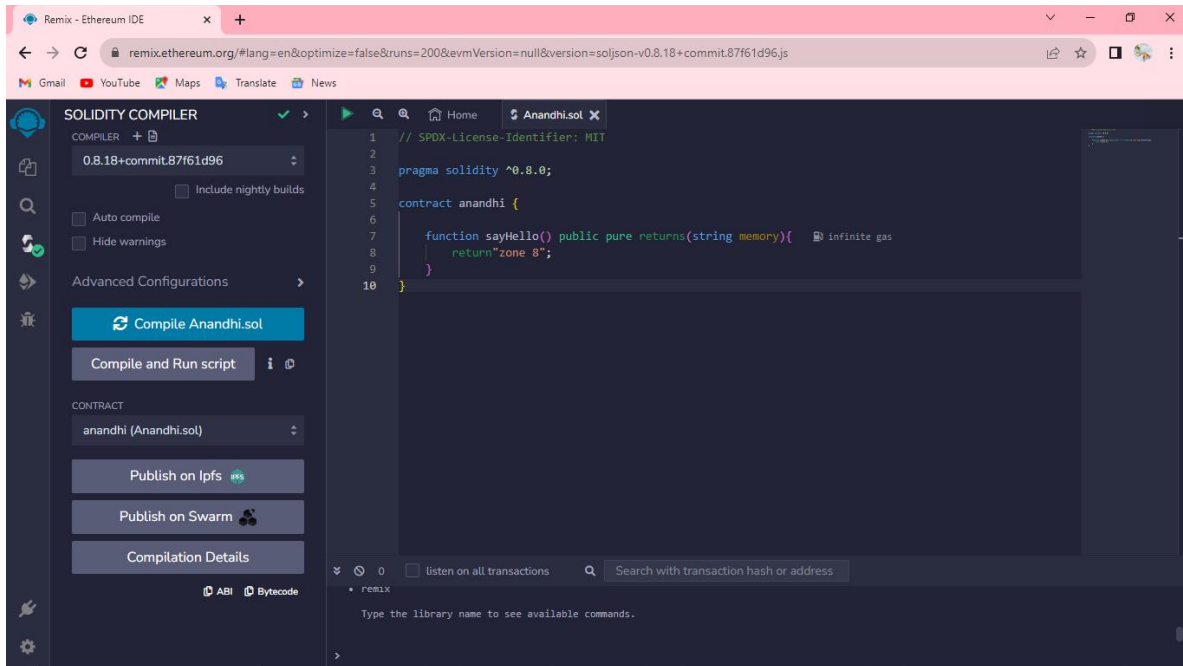
1. Go to the chrome and open remix platform



2. Open the remix page and create a new file



3. In that newly created file, create a program to return your string, "Zone name"



PROGRAM:

```
// SPDX-License-Identifier: MIT
pragma solidity ^0.8.0;
contract anandhi {
    function getZoneName() public pure
    returns (string memory) {
        return "Zone name";
    }
}
```

4. Save the program and compile it to get the ABI and Bytecode

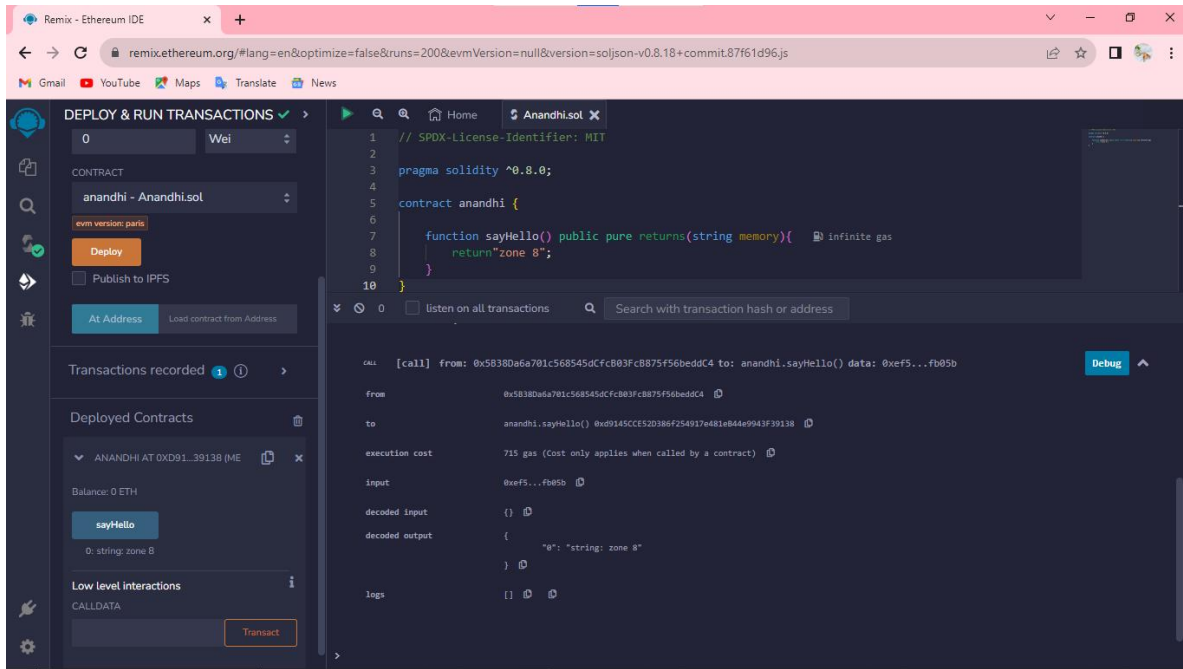
ABI:

```
[
  {
    "inputs": [],
    "name": "sayHello",
    "outputs": [
      {
        "internalType": "string",
        "name": "",
        "type": "string"
      }
    ],
    "stateMutability": "pure",
    "type": "function"
  }
]
```

BYTECODE:

608060405234801561001057600080fd5b50610173806100206000
396000f3fe608060405234801561001057600080fd5b50600436106
1002b5760003560e01c8063ef5fb05b14610030575b600080fd5b61
003861004e565b604051610045919061011b565b60405180910390f
35b60606040518060400160405280600681526020017f7a6f6e6520
3800
815250905090565b600081519050919050565b6000828252602082
01905092915050565b60005b838110156100c55780820151818401
526020810190506100aa565b60008484015250505050565b600060
1f19601f8301169050919050565b60006100ed8261008b565b6100f
78185610096565b93506101078185602086016100a7565b6101108
16100d1565b840191505092915050565b600060208201905081810
3600083015261013581846100e2565b90509291505056fea2646970
667358221220102c99eaf7fc8d968a93785dd24f0f52flac219157449
e1d397ae6b798a2928264736f6c63430008120033

5. Finally Deploy it to display the output



The screenshot displays the Remix Ethereum IDE interface. The top panel shows the Solidity code for a contract named 'anandhi'. The code is as follows:

```
1 // SPDX-License-Identifier: MIT
2
3 pragma solidity ^0.8.0;
4
5 contract anandhi {
6
7     function sayHello() public pure returns(string memory){ infinite gas
8         return "zone 8";
9     }
10 }
```

The middle panel shows the 'DEPLOY & RUN TRANSACTIONS' section. The contract 'anandhi - Anandhi.sol' is selected. The 'Deploy' button is highlighted. Below it, the 'At Address' section is visible, showing the contract address 'ANANDHI AT 0xD91...39138 (ME)'. The 'Deployed Contracts' section shows the contract's balance as '0 ETH' and a 'sayHello' button. The 'Low level interactions' section shows the 'CALLDATA' field and a 'Transact' button.

The bottom panel shows the transaction details for the 'sayHello' function call. The transaction is a '[call]' from '0x58380a6701c568545dcfc803fc8875f56beddC4' to 'anandhi.sayHello()' at address '0xd9145CCE520386f25017e481e844e9943f39138'. The execution cost is '719 gas'. The input is '0xef5...fb85b'. The decoded input is '()'. The decoded output is '{ "0": "string: zone 8" }'. The logs are '[]'.