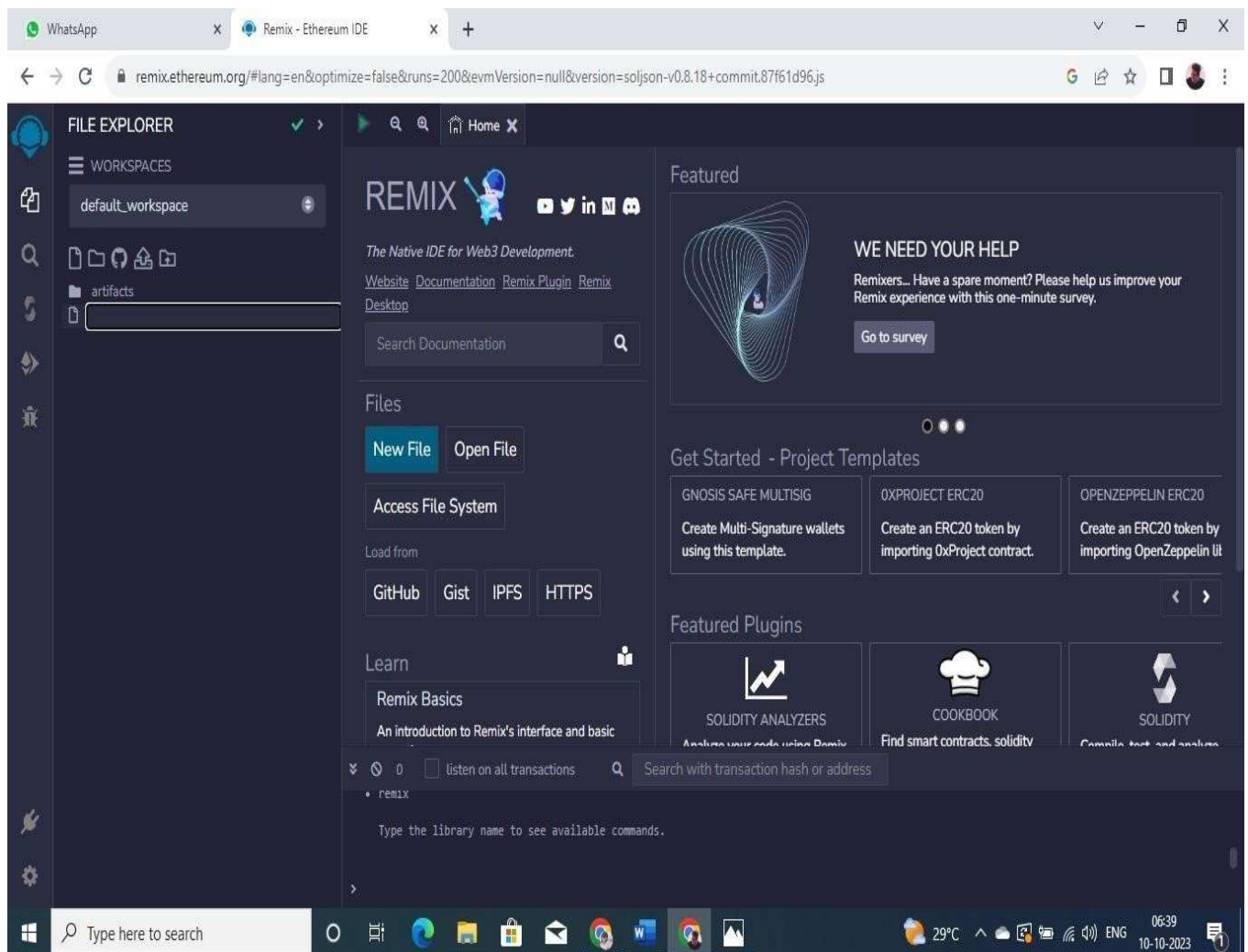


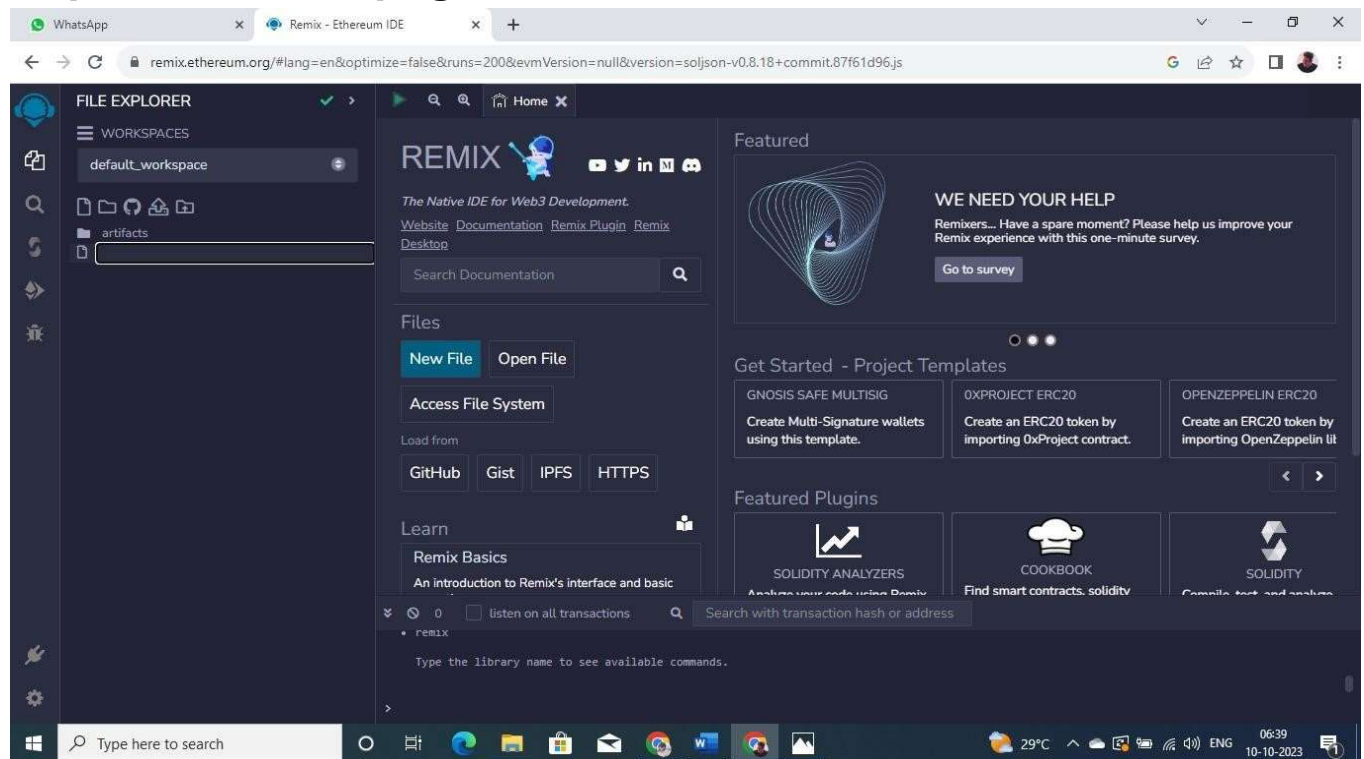
Assignment - I

| | |
|---------------|---|
| Name: | PRATHAP . P |
| Team ID: | NM2023TMID00438 |
| PROJECT NAME: | Digital Asset Management on the Ethereum Blockchain |
| NM ID: | 04D4E564405DCA2B309478AC51EC67DB |

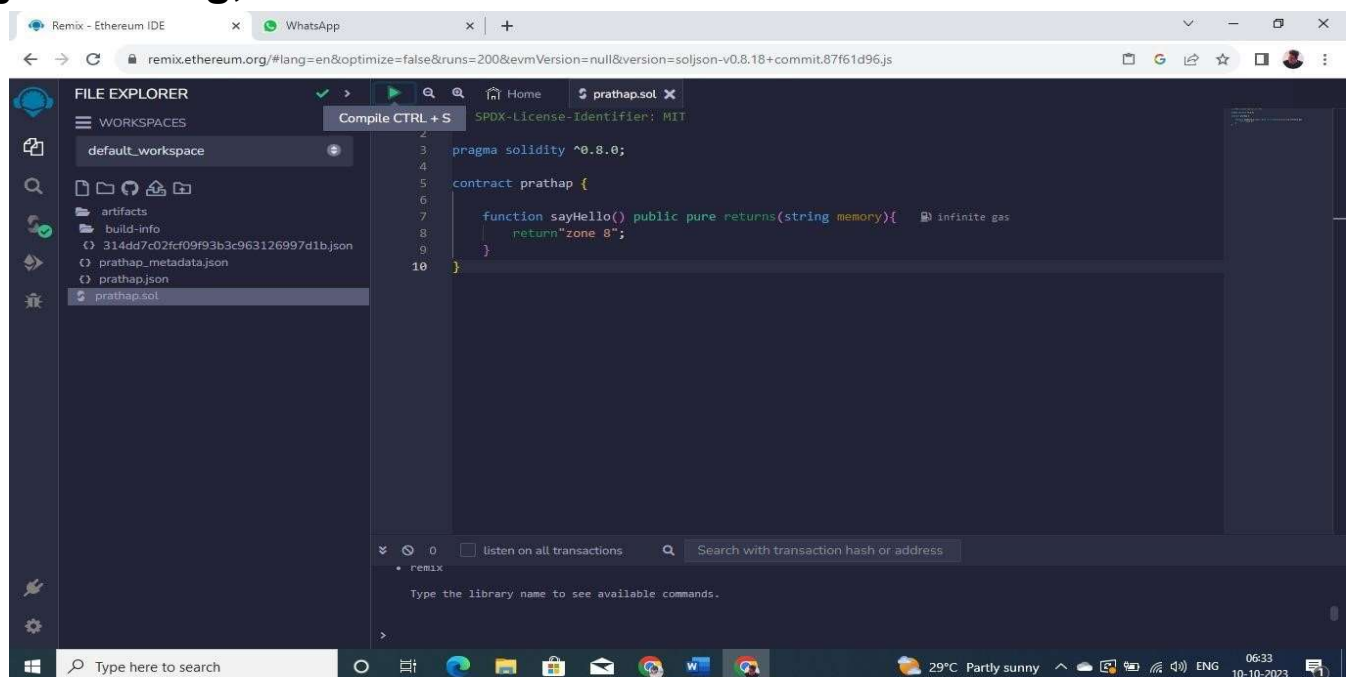
1.Go to the chrome and open remix platform



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"



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:

```
608060405234801561001057600080fd5b50610173806100206000396000f3fe
608060405234801561001057600080fd5b506004361061002b5760003560e01c
8063ef5fb05b14610030575b600080fd5b61003861004e565b60405161004591
9061011b565b60405180910390f35b6060604051806040016040528060068152
6020017f7a6f6e6520380000000000000000000000000000000000000000
00000000815250905090565b600081519050919050565b60008282526020820
1905092915050565b60005b838110156100c557808201518184015260208101
90506100aa565b60008484015250505050565b6000601f19601f830116905091
9050565b60006100ed8261008b565b6100f78185610096565b9350610107818
5602086016100a7565b610110816100d1565b840191505092915050565b6000
602082019050818103600083015261013581846100e2565b90509291505056fe
a26469706673582212205e0cb7a8223c51cc63a0d7887ee4d1482d7619e4b13
de63bca1a4259b7e9e6cc64736f6c63430008120033
```

5. Finally Deploy it to display the output

The screenshot displays the Remix Ethereum IDE interface. The top bar shows the browser address: `remix.ethereum.org/#lang=en&optimize=false&runs=200&evmVersion=null&version=soljson-v0.8.18+commit.87f61d96.js`.

Left Panel: DEPLOY & RUN TRANSACTIONS

- Contract:** prathap - prathap.sol
- Deployment Settings:**
 - Gas Limit: 3000000
 - Value: 0 Wei
 - Contract: prathap - prathap.sol
 - evm version: paris
 - Deploy button
 - ☒ Publish to IPFS
 - At Address button
- Transactions recorded:** 2
- Deployed Contracts:**
 - PRATHAP AT 0XD8B...33FAB (ME)
 - Balance: 0 ETH
 - sayHello button

Center Panel: prathap.sol

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

Right Panel: Transaction Details

CALL: [call] from: 0x5B380a6a701c568545dCfc8B3Fc8875f56beddC4 to: prathap.sayHello() data: 0xef5...fb05b

from: 0x5B380a6a701c568545dCfc8B3Fc8875f56beddC4

to: prathap.sayHello() 0xd8b934580fcE35a11958C6073a0e468a2833fab

execution cost: 715 gas (Cost only applies when called by a contract)

input: 0xef5...fb05b

decoded input: {}

decoded output: {"8": "string: zone 8"}

logs: []

Bottom Bar: Windows taskbar showing the time as 06:34 on 10-10-2023, and weather as 29°C Partly sunny.