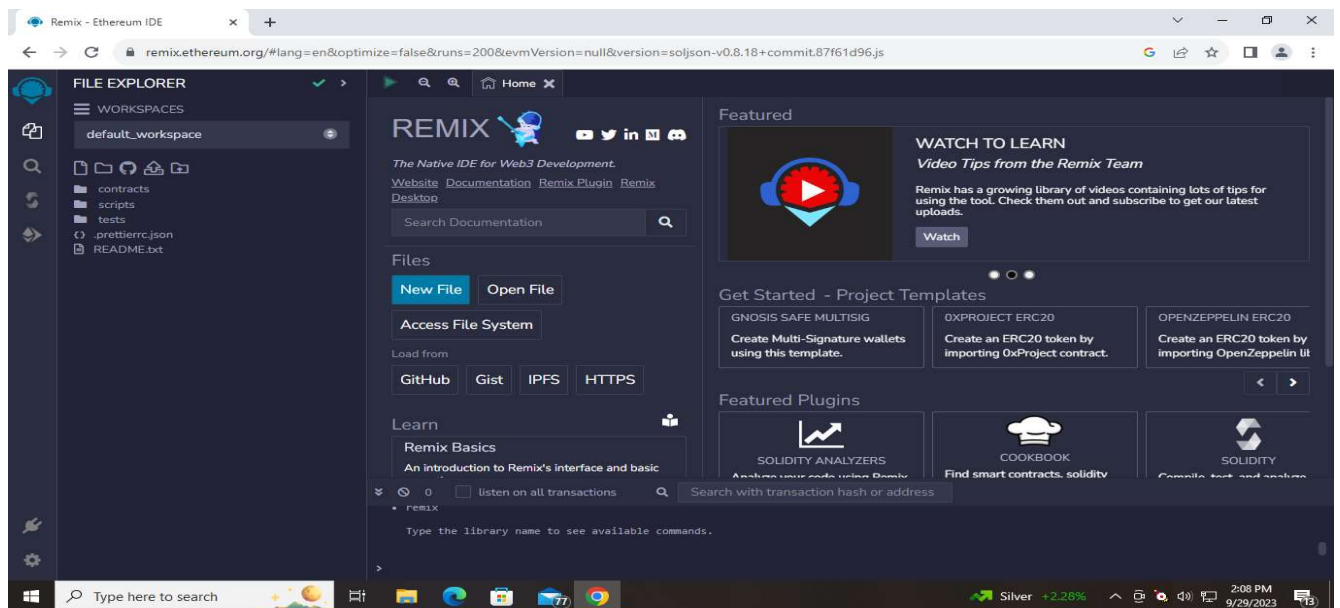


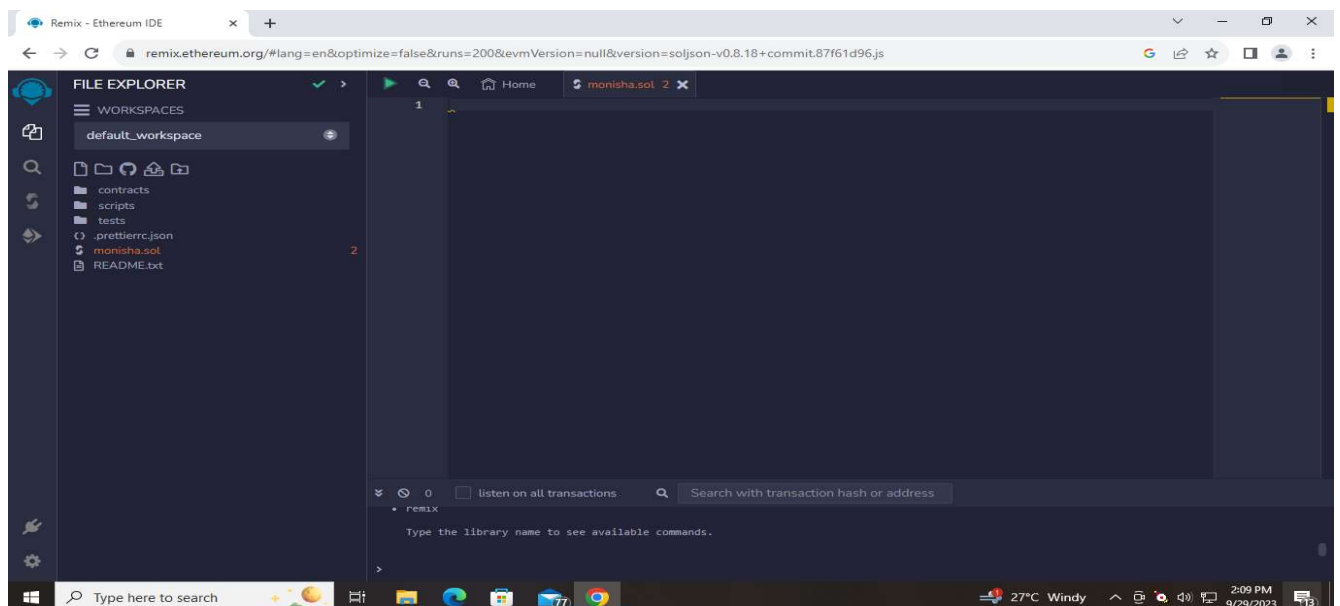
# BLOCKCHAIN TECHNOLOGY

## ASSIGNMENT-1

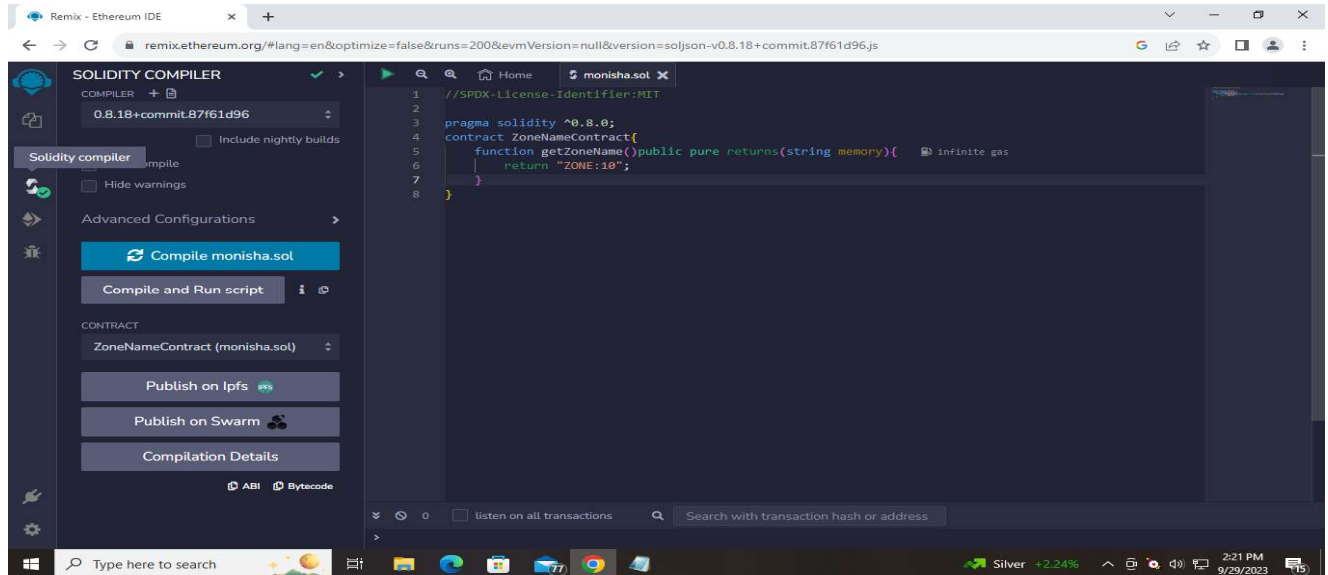
### 1.OPEN A REMIX PLATFORM:



### 2.CREATE A NEW FILE IN REMIX PLATFORM:



### 3.PROGRAM FOR RETURN STRING:



### 4.ABI AND BYTECODE:

#### ABI:

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

## BYTECODE:

608060405234801561001057600080fd5b50610173806100206000396000f3fe60  
8060405234801561001057600080fd5b506004361061002b5760003560e01c8063  
235ed70f14610030575b600080fd5b61003861004e565b60405161004591906101  
1b565b60405180910390f35b60606040518060400160405280600781526020017f  
5a4f4e453a31300081  
5250905090565b600081519050919050565b60008282526020820190509291505  
0565b60005b838110156100c55780820151818401526020810190506100aa565b6  
0008484015250505050565b6000601f19601f8301169050919050565b60006100e  
d8261008b565b6100f78185610096565b93506101078185602086016100a7565b6  
10110816100d1565b840191505092915050565b60006020820190508181036000  
83015261013581846100e2565b90509291505056fea2646970667358221220c765  
609a1e1f2443b48419d1f5e7ab05178e71a2939fb6844d6d592e5adfe35464736f6  
c63430008120033

## 5.DEPLOY AND OUTPUT:

The screenshot displays the Remix Ethereum IDE interface. On the left, the 'DEPLOY & RUN TRANSACTIONS' panel shows the 'ZoneNameContract - monisha.sol' selected. The 'Deploy' button is highlighted. Below it, the 'Transactions recorded' section shows a list of transactions, including the deployment of the 'ZoneNameContract' at address 0xD9... and a subsequent call to the 'getZoneName' function. The 'Deployed Contracts' section shows the 'ZoneNameContract' deployed at address 0xD9... with a balance of 0 ETH. The 'Low level interactions' section shows the 'CALLDATA' for the 'getZoneName' function call.

The main editor displays the Solidity code for the 'ZoneNameContract':

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

The bottom panel shows the transaction details for the deployment of the 'ZoneNameContract' and the subsequent call to the 'getZoneName' function. The transaction hash is 0x583...eddC4 and the gas used is 22033. The output of the 'getZoneName' function is 'ZONE:10'.