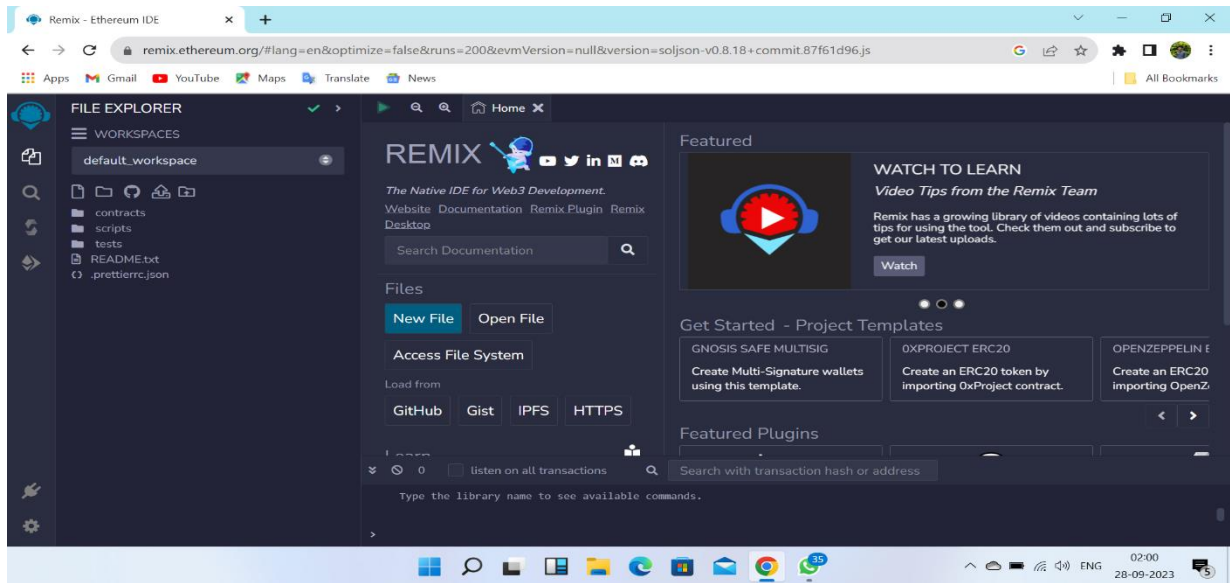


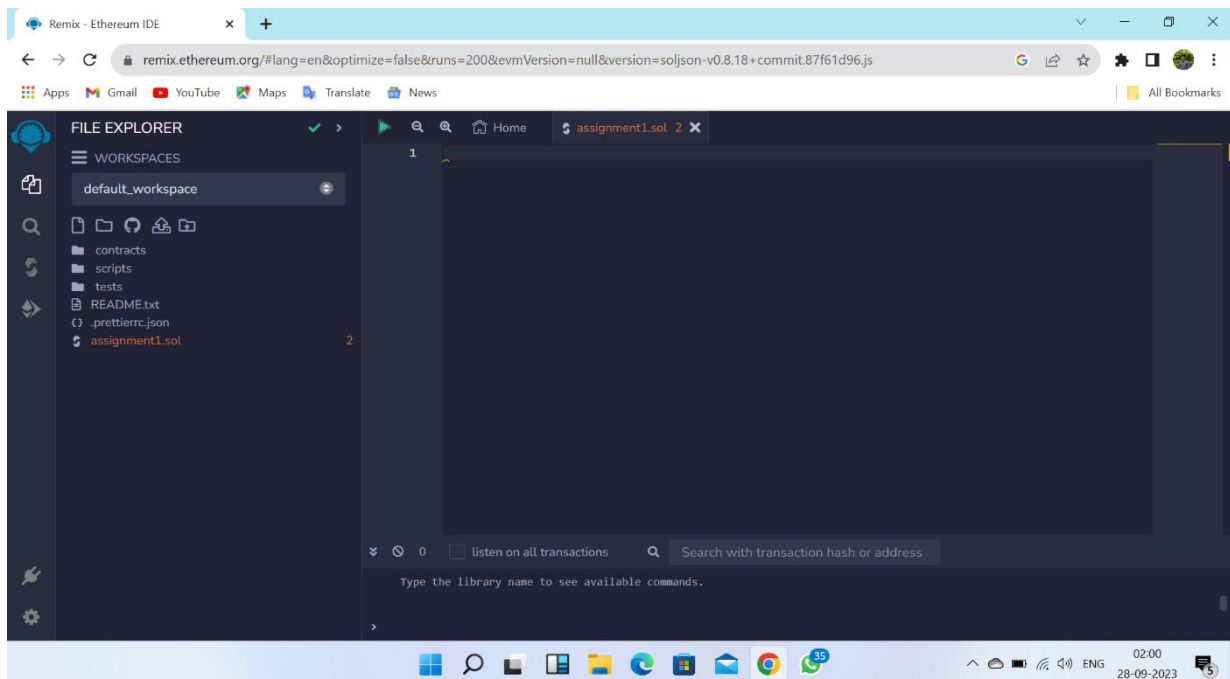
# BLOCKCHAIN TECHNOLOGY

## ASSIGNMENT-1

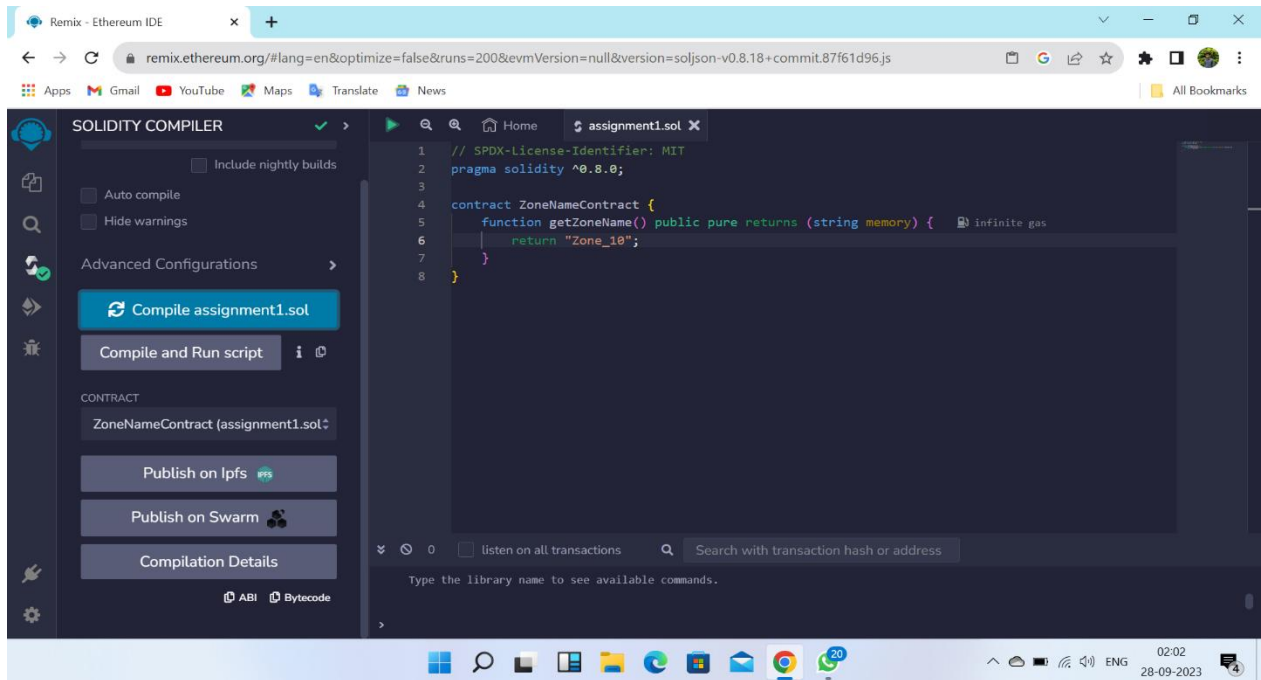
### 1.OPEN REMIX PLATFORM:



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



### 3.PROGRAM TO RETURN STRING:



### 4.ABI AND BYTECODE:

ABI:

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

```
}  
]
```

## BYTECODE:

```
608060405234801561001057600080fd5b50610173806100206000396000f3fe  
608060405234801561001057600080fd5b506004361061002b5760003560e01  
c8063235ed70f14610030575b600080fd5b61003861004e565b6040516100459  
19061011b565b60405180910390f35b60606040518060400160405280600781  
526020017f5a6f6e655f313000000000000000000000000000000000000000  
000000000815250905090565b600081519050919050565b600082825260208  
201905092915050565b60005b838110156100c5578082015181840152602081  
0190506100aa565b60008484015250505050565b6000601f19601f8301169050  
919050565b60006100ed8261008b565b6100f78185610096565b93506101078  
185602086016100a7565b610110816100d1565b840191505092915050565b60  
00602082019050818103600083015261013581846100e2565b9050929150505  
6fea2646970667358221220ac72aa9eecaedfa9baead8c7ebda212c9182875692  
6f1c8ff15fb3b52048d65964736f6c63430008120033
```

## 5.DEPLOY:

The screenshot displays the Remix Ethereum IDE interface. On the left, the 'DEPLOY & RUN TRANSACTIONS' sidebar shows the 'ZoneNameContract - assignment1.sol' with a 'Deploy' button. Below it, the 'Deployed Contracts' section lists 'ZONENAMECONTRACT AT 0x7EF' with a 'getZoneName' button. The main editor shows the Solidity code for 'ZoneNameContract' with a 'getZoneName' function. The bottom panel shows the transaction log with a successful deployment and a subsequent call to 'getZoneName'.

```
// SPDX-License-Identifier: MIT  
pragma solidity ^0.8.0;  
  
contract ZoneNameContract {  
    function getZoneName() public pure returns (string memory) {  
        return "Zone_10";  
    }  
}
```

Transaction log:

- [vm] from: 0x5B3...eddC4 to: ZoneNameContract.(constructor) value: 0 wei data: 0x608...20033 logs: 0  
hash: 0xa3b...eed24  
call to ZoneNameContract.getZoneName
- [call] from: 0x5B38Da6a701c568545dcfcb03fcb875f56beddC4 to: ZoneNameContract.getZoneName()  
data: 0x235...ed70f