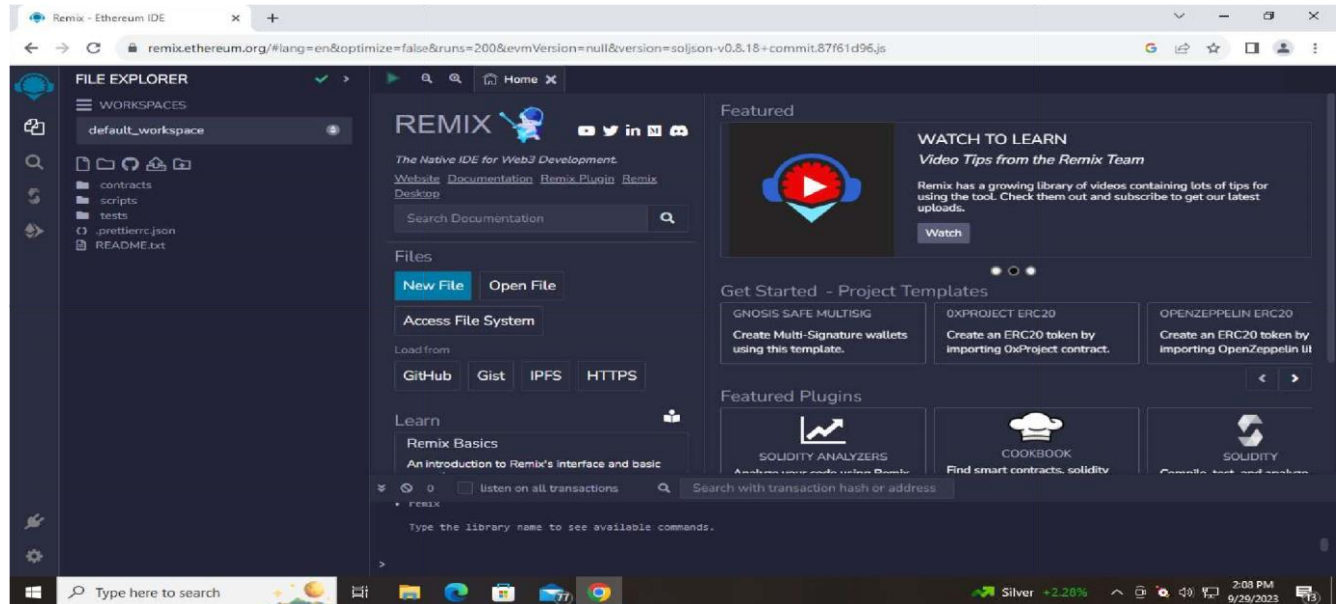


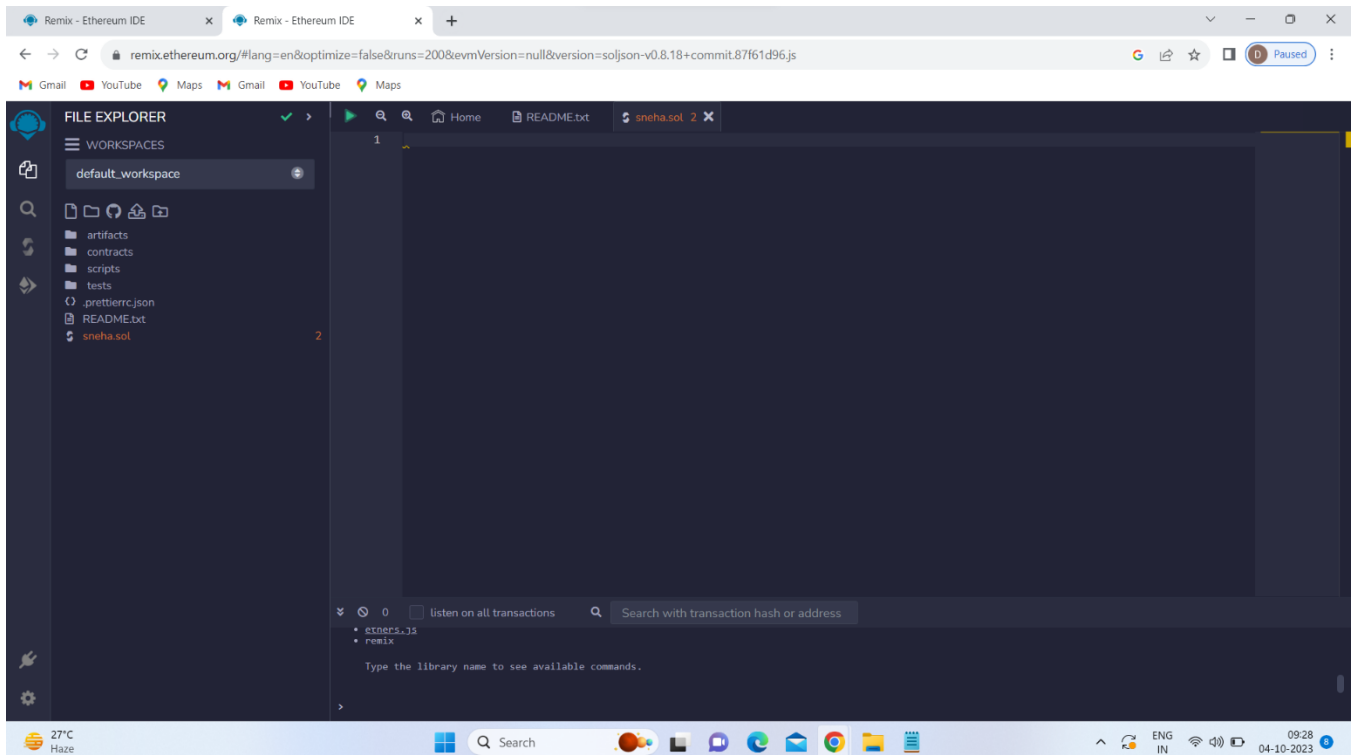
BLOCKCHAIN TECHNOLOGY

ASSIGNMENT-1

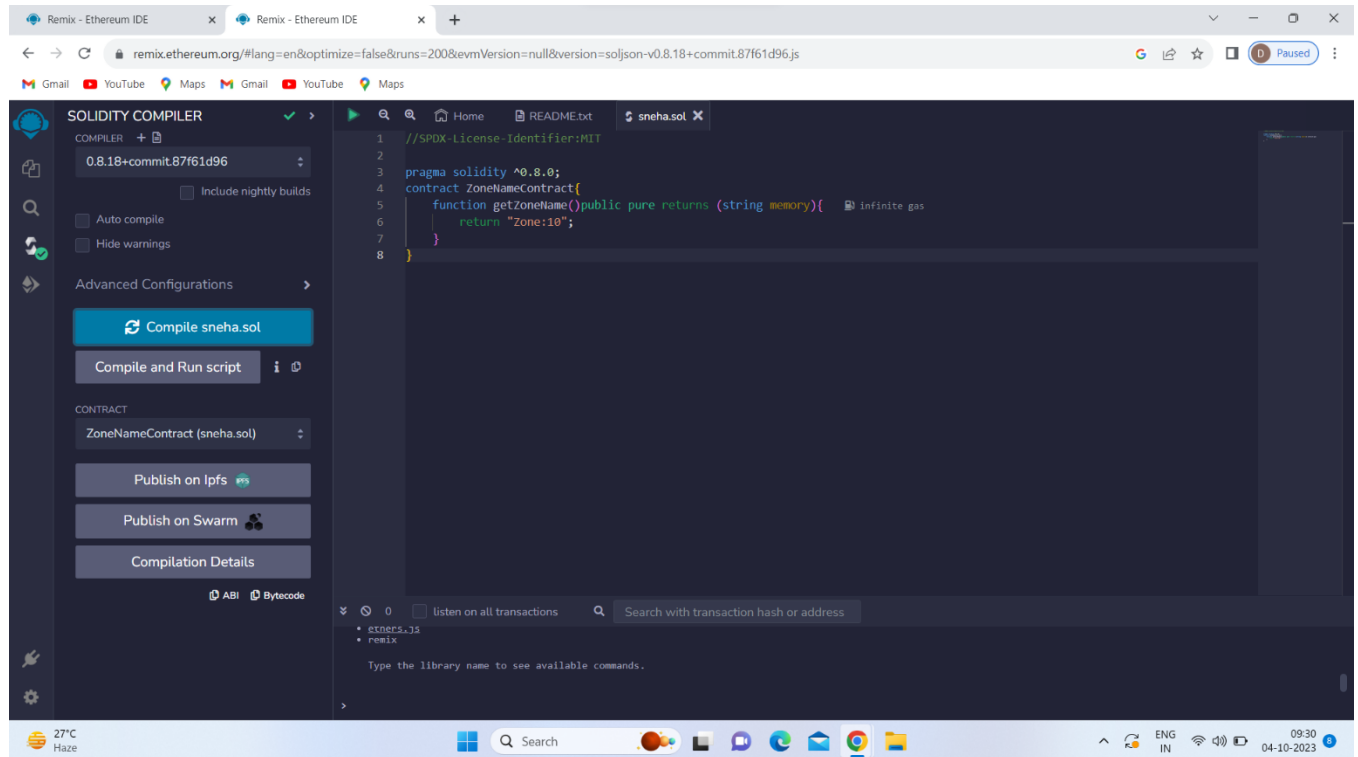
1.OPEN A REMIX PLATFORM:



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. The top bar shows the URL `remix.ethereum.org/#lang=en&optimize=false&runs=200&evmVersion=null&version=soljson-v0.8.18+commit.87f61d96.js`. The left sidebar contains the 'DEPLOY & RUN TRANSACTIONS' panel, which includes a 'VALUE' field set to '0' with a 'Wei' unit, a 'CONTRACT' dropdown showing 'ZoneNameContract - sneha.sol', and a 'Deploy' button. Below this, there are sections for 'Transactions recorded' and 'Deployed Contracts'. The 'Deployed Contracts' section shows a contract named 'ZONENameContract AT 0xD9' with a balance of '0 ETH' and a 'getZoneName' button. The 'Low level interactions' section shows a 'CALLDATA' field and a 'Transact' button. The main editor area displays the Solidity code for the 'ZoneNameContract' with a function 'getZoneName' that returns the string 'Zone:10'. The bottom panel shows the transaction logs, including a successful deployment transaction and a subsequent call to 'getZoneName'.

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

Transaction logs:

- [vm] from: 0x583...eddC4 to: ZoneNameContract.(constructor) value: 0 wei data: 0x608...20033 logs: 0 hash: 0x0f7...3cd2a
- call to ZoneNameContract.getZoneName
- [call] from: 0x58380a6a701c568545dCfcB03fCB875f56beddC4 to: ZoneNameContract.getZoneName() data: 0x235...ed70f