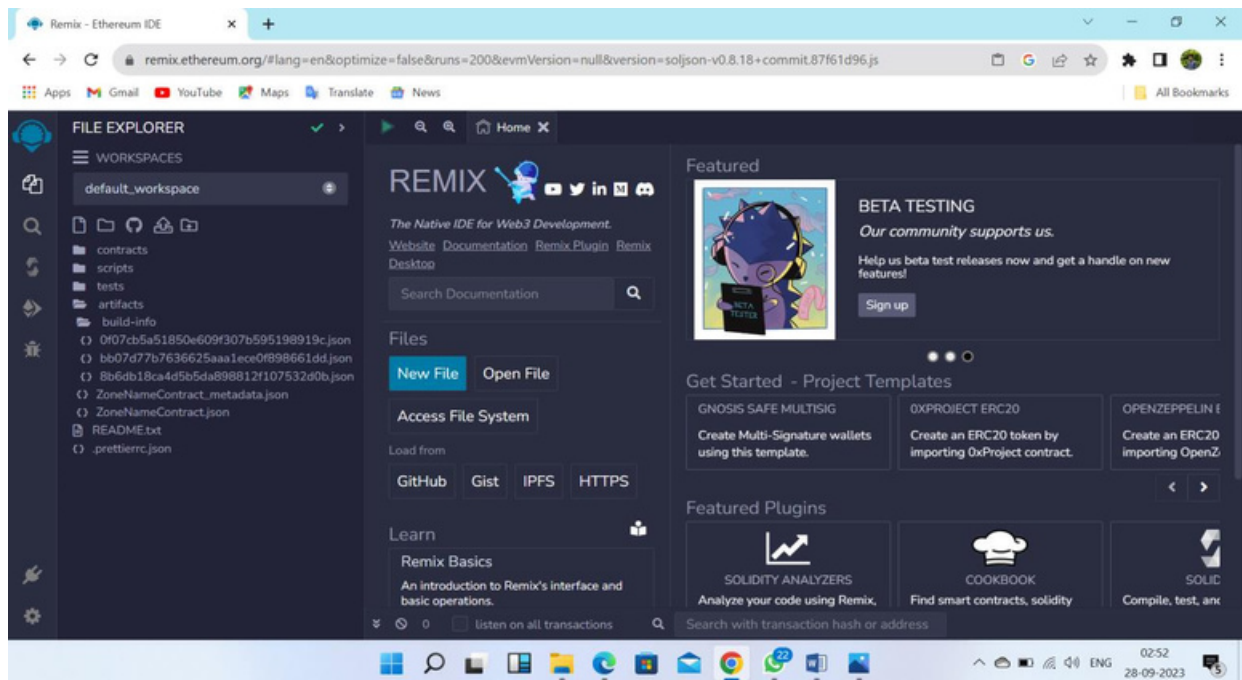


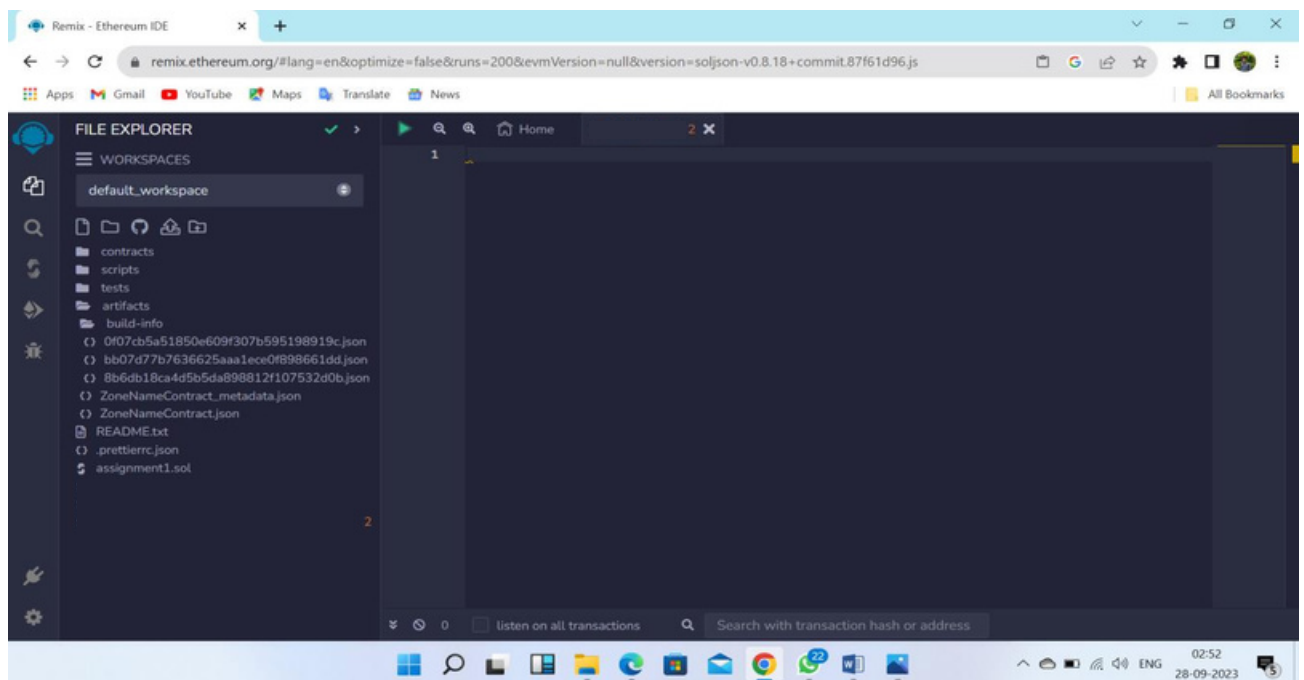
BLOCKCHAIN TECHNOLOGY

ASSIGNMENT-1

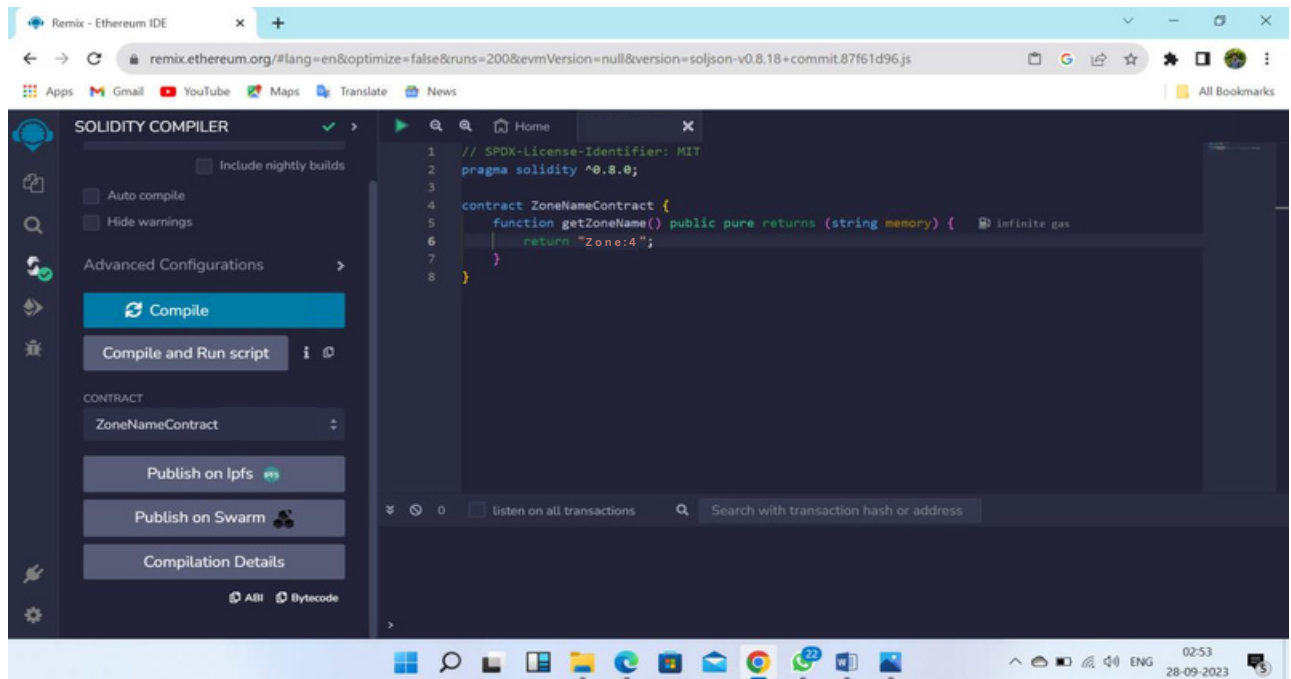
1.OPEN REMIX PLATFORM:



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"
  }
]
```

[illegible]

The screenshot displays the Remix Ethereum IDE interface. The top browser bar shows the URL: `remix.ethereum.org/#lang=en&optimize=false&runs=200&evmVersion=null&version=soljson-v0.8.18+commit.87f6d96.js`.

The left sidebar contains the **DEPLOY & RUN TRANSACTIONS** panel. It includes a **Deploy** button, a **Publish to IPFS** checkbox, an **At Address** field with a "Load contract from Address" button, a **Transactions recorded** section, a **Deployed Contracts** section showing **ZONENAMECONTRACT AT 0x3D...** with a balance of 0 ETH and a **getZoneName** button, and a **Low level interactions** section with a **Transact** button.

The main editor displays the following Solidity code:

```
// SPDX-License-Identifier: MIT
pragma solidity ^0.8.0;

contract ZoneNameContract {
    function getZoneName() public pure returns (string memory) {
        return "Zone:4";
    }
}
```

The bottom panel shows the **Transaction Log** with the following entries:

- [vm] from: 0x5B3...ddC4 to: ZoneNameContract.(constructor) value: 0 wei data: 0x608...20013 logs: 0 hash: 0xc46...a8C83** (Status: Success) - Includes a **Debug** button.
- call to ZoneNameContract.getZoneName**
- [call] from: 0x5B380Da6a701c56854dCf03fC8875f56beddC4 to: ZoneNameContract.getZoneName() data: 0x235...ed70f** (Status: Call) - Includes a **Debug** button.

The bottom status bar shows the system clock at 02:53 on 28-09-2023.