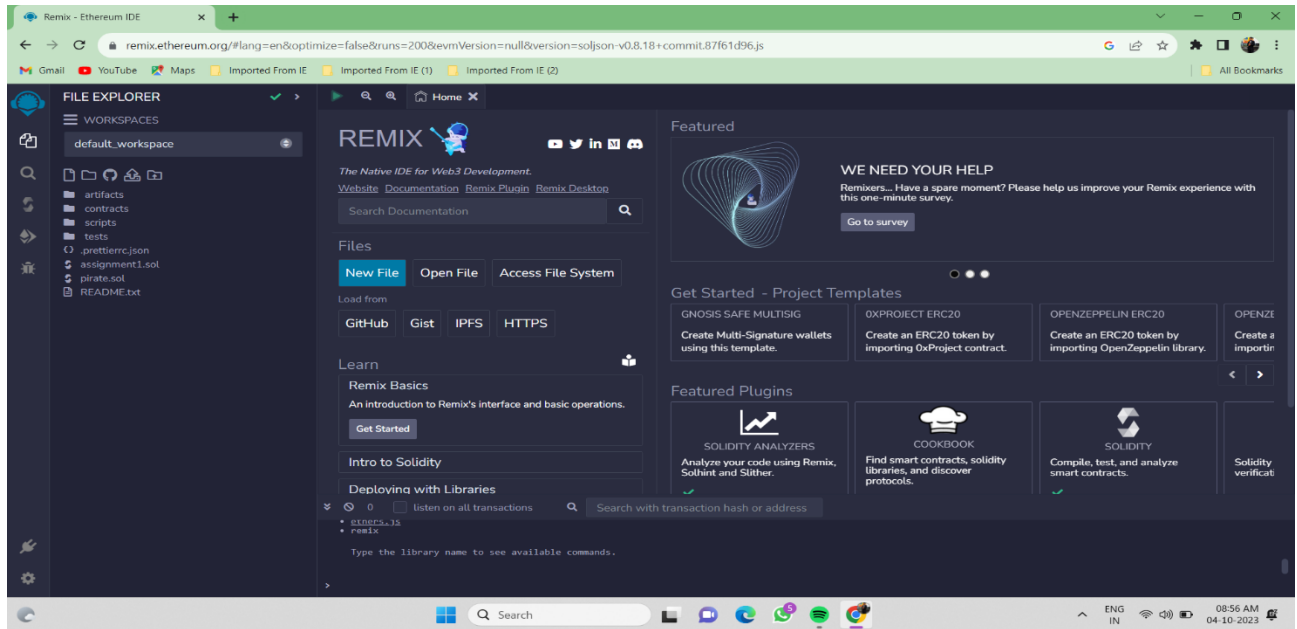


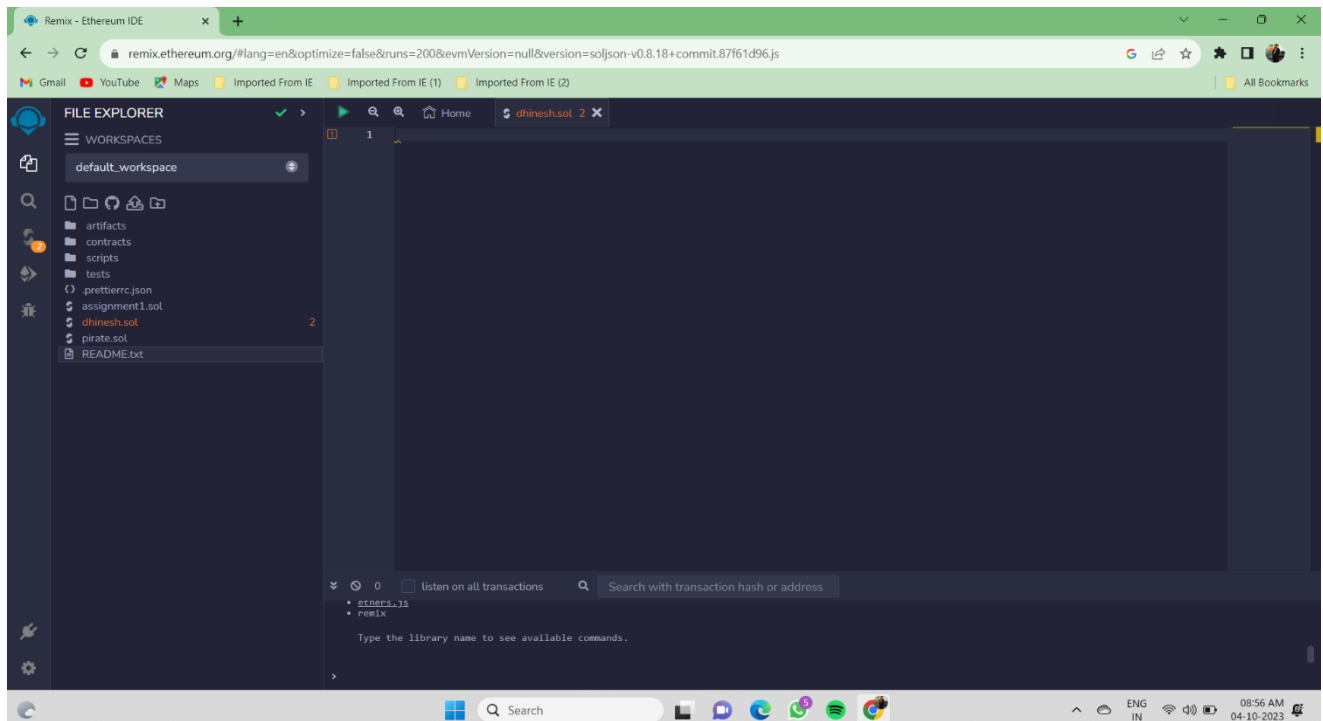
BLOCKCHAIN TECHNOLOGY

ASSIGNMENT-1

1.OPEN REMIX PLATFORM:



2.CREATE A NEW FILE IN REMIX PLATFORM:



3.PROGRAM TO RETURN STRING:

```
// SPDX-License-Identifier: MIT
```

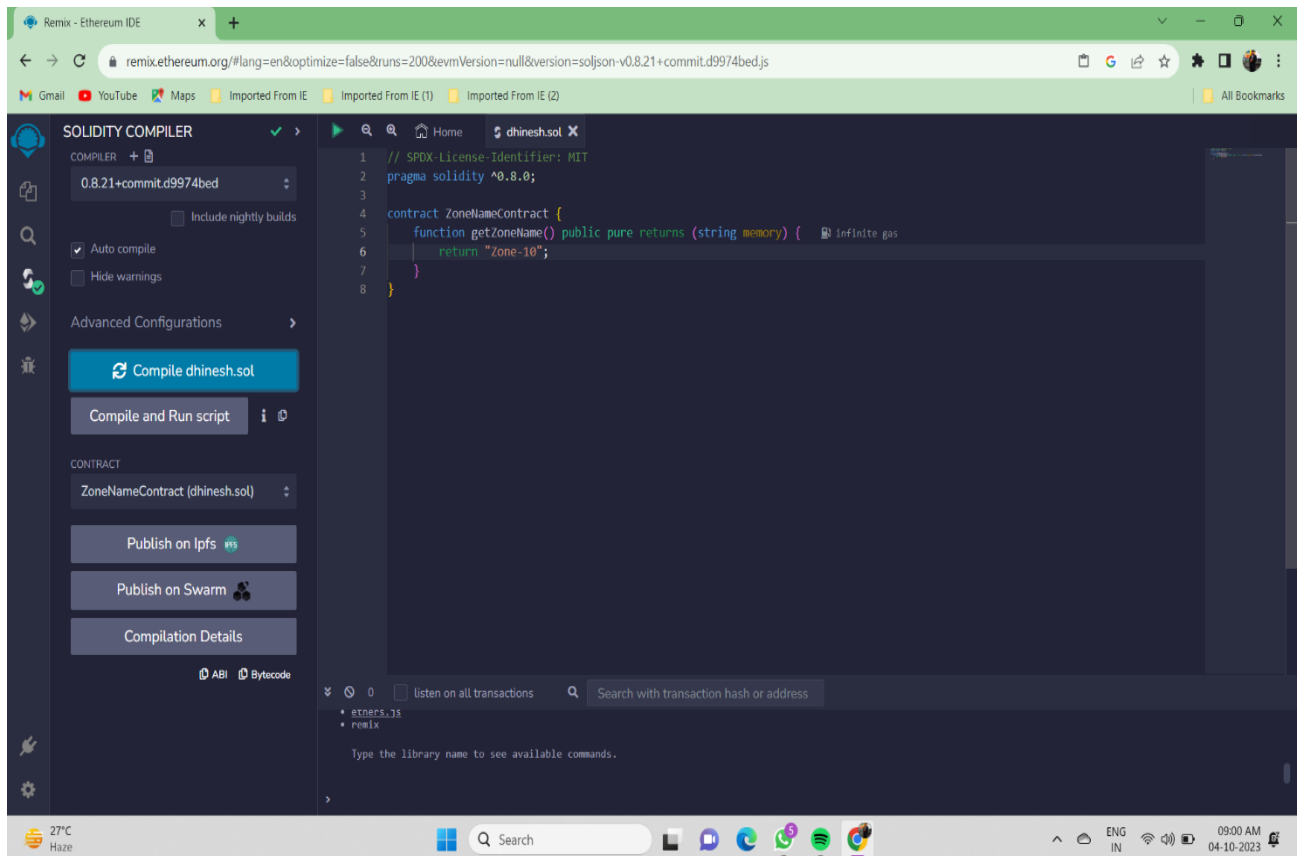
```
pragma solidity ^0.8.0;
```

```
contract ZoneContract {
```

```
function getZone() public pure returns (string memory){
```

```
return "Zone 10";
```

```
}}
```



ABI:

BYTECODE:

[illegible]

5.DELPOY AND OUTPUT:

The screenshot displays the Remix Ethereum IDE interface. The top panel shows the browser address bar with the URL `remix.ethereum.org/#lang=en&optimize=false&runs=200&evmVersion=null&version=soljson-v0.8.21+commit.d9974bed.js`. The left sidebar contains the 'DEPLOY & RUN TRANSACTIONS' panel, which includes a 'VALUE' field set to '0', a 'CONTRACT' dropdown showing 'ZoneNameContract - dhinesh.sol', and a 'Deploy' button. Below this, there are options for 'Publish to IPFS' and 'At Address'. The bottom section of the sidebar shows 'Transactions recorded' and 'Deployed Contracts', with a table listing the deployed contract 'ZONENAMECONTRACT AT 0XD9' and its balance '0 ETH'. The main editor area displays the Solidity code for the 'ZoneNameContract'.

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

The bottom panel shows the execution results. It includes a search bar for transaction hash or address. The execution log shows the following details:

- Transaction 0: `[vm] from: 0x5B1...eddC4 to: ZoneNameContract.(constructor) value: 0 wei data: 0x688...50033 logs: 0 hash: 0x07a...d9cb0`
- Call to `ZoneNameContract.getZoneName`
- Call 1: `[call] from: 0x5B380a6a701c568545dCfcB03fcB875f56beddC4 to: ZoneNameContract.getZoneName() data: 0x235...ed70f`

The bottom status bar shows the system temperature as 27°C, the time as 09:01 AM on 04-10-2023, and the language set to English (IN).