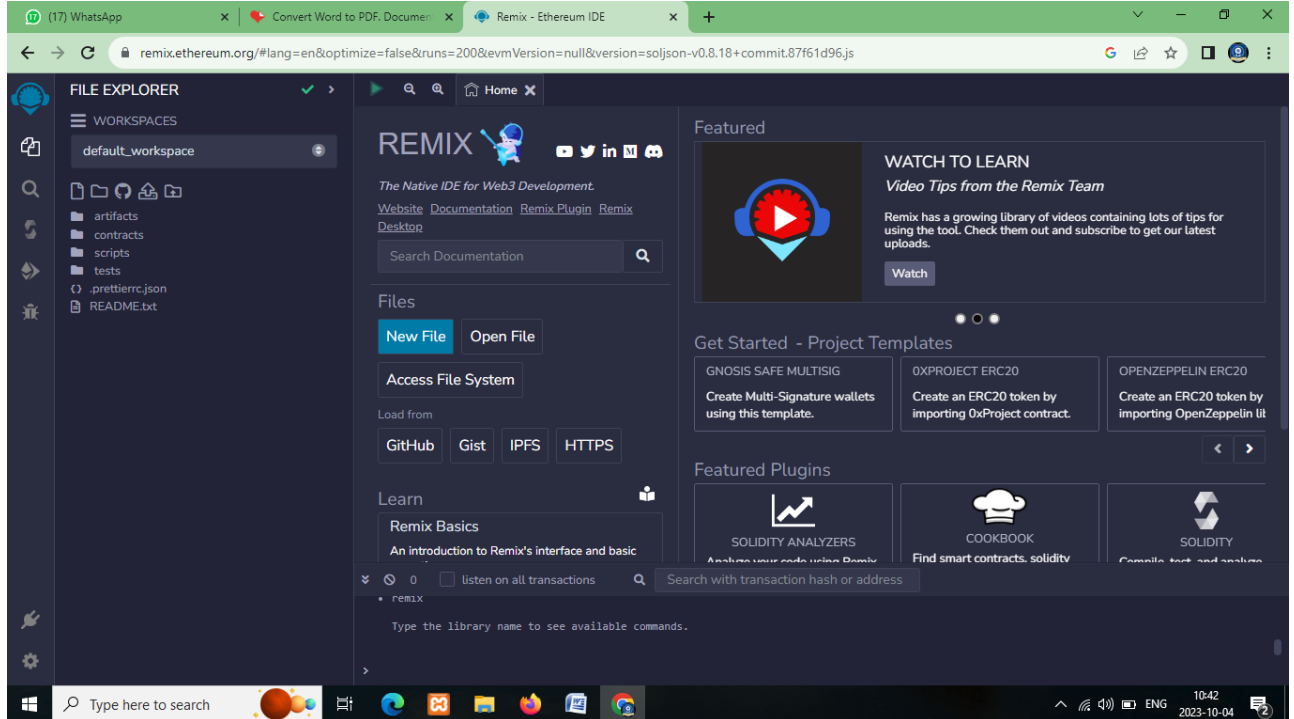


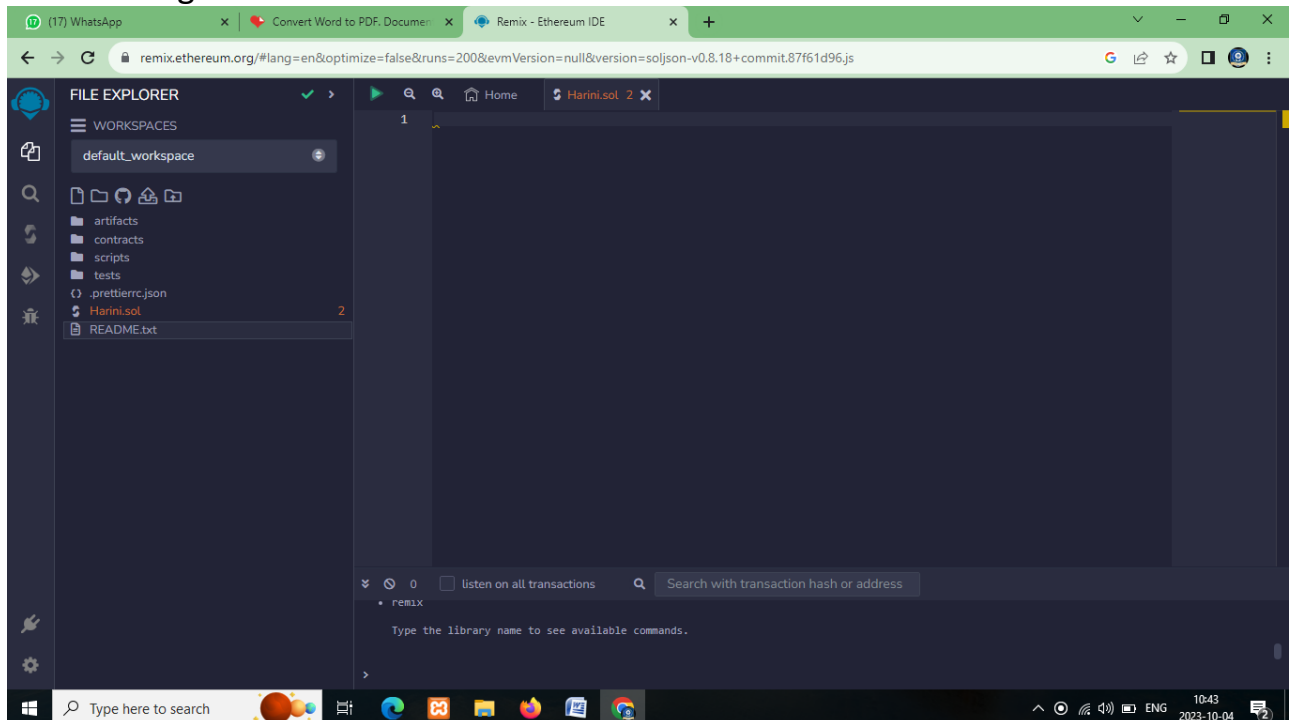
Blockchain Technology

Assignment 1

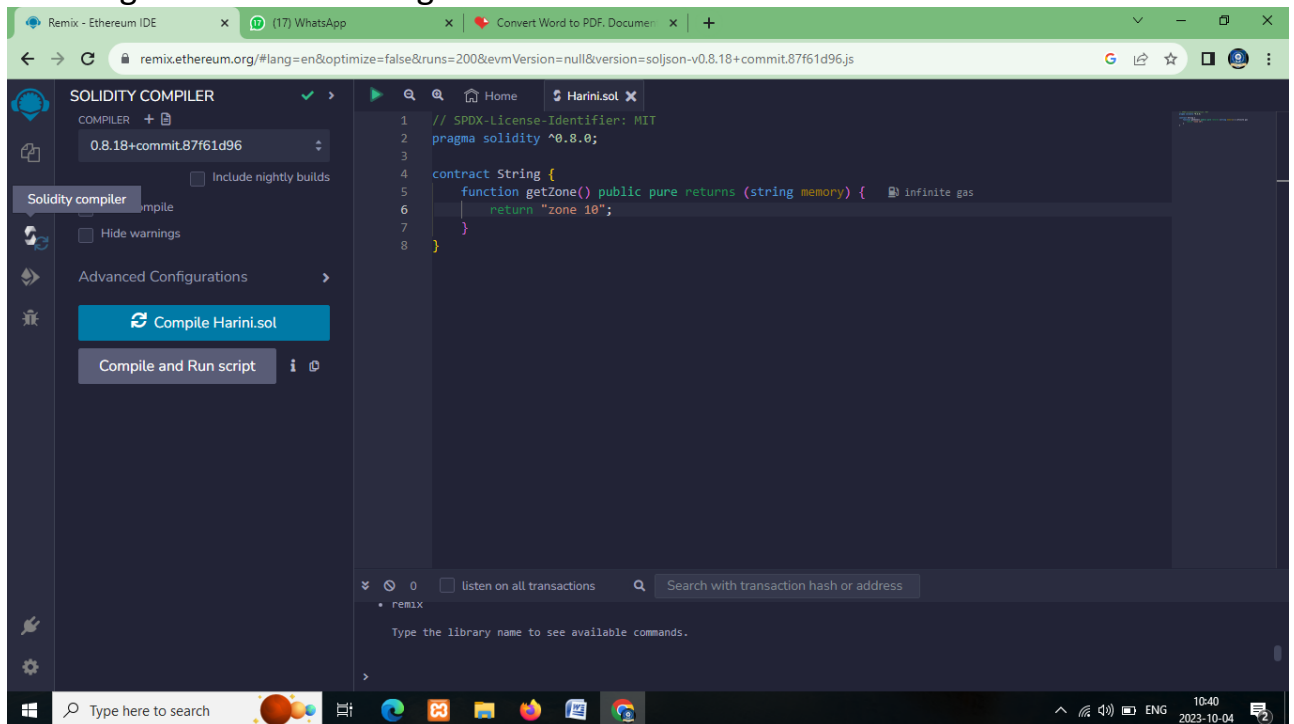
1. Open remix platform



2. Creating a new file



3. Program to return string



4. ABI :

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

Byte code :

```
608060405234801561001057600080fd5b50610173806100206000396000f
3fe608060405234801561001057600080fd5b506004361061002b57600035
60e01c8063f9095eb714610030575b600080fd5b61003861004e565b60405
1610045919061011b565b60405180910390f35b6060604051806040016040
5280600781526020017f7a6f6e6520313000000000000000000000000000
000000000000000000000000815250905090565b600081519050919050565
b600082825260208201905092915050565b60005b838110156100c5578082
0151818401526020810190506100aa565b60008484015250505050565b600
0601f19601f8301169050919050565b60006100ed8261008b565b6100f7818
5610096565b93506101078185602086016100a7565b610110816100d1565
b840191505092915050565b6000602082019050818103600083015261013
581846100e2565b90509291505056fea2646970667358221220e9da308c66
94a0f2bb2cabbb3af83ddb2314805ebb7adaf3f20d81e3d1fb791264736f6c6
3430008120033
```

5. Deploying :

The screenshot displays the Remix Ethereum IDE interface. The top bar shows the browser address: `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 'Solidity compiler' section with a 'Deploy' button and a 'Deployed Contracts' section showing a contract named 'String' at address '0xD91...3913B'. The main editor area shows the Solidity code for the 'String' contract, which includes a 'getZone' function. The bottom panel shows the 'Low level interactions' section with a 'CALL' transaction from '0x5B38D6a701c568545dCfcB03FcB875f56beddC4' to 'String.getZone()' with data '0xf90...95eb7'. The status bar at the bottom indicates the time as 10:40 on 2023-10-04.