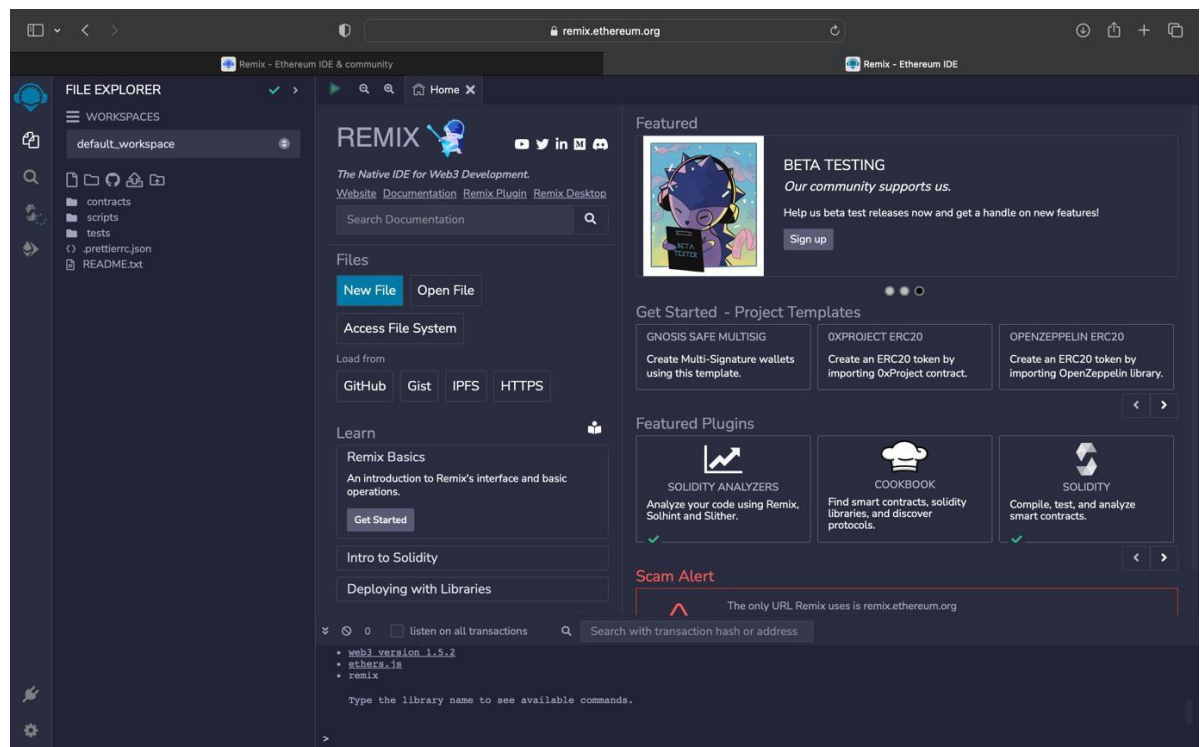


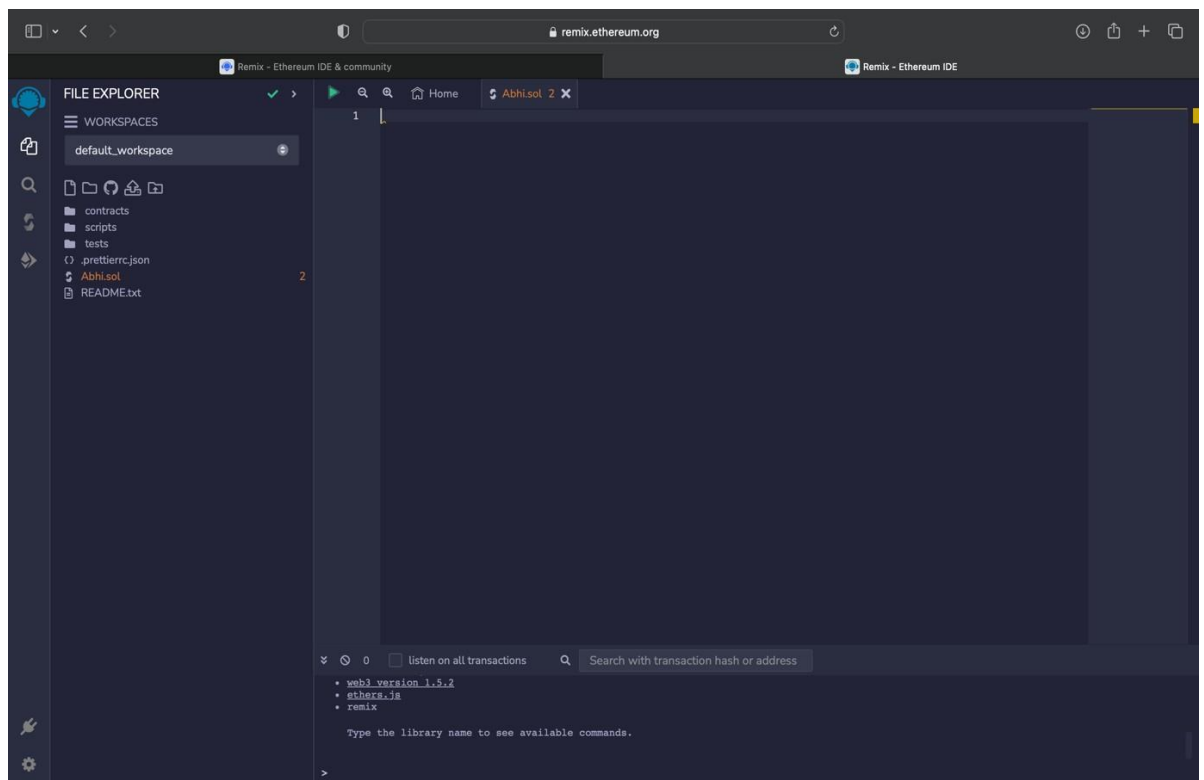
Blockchain Technology

Assignment-01

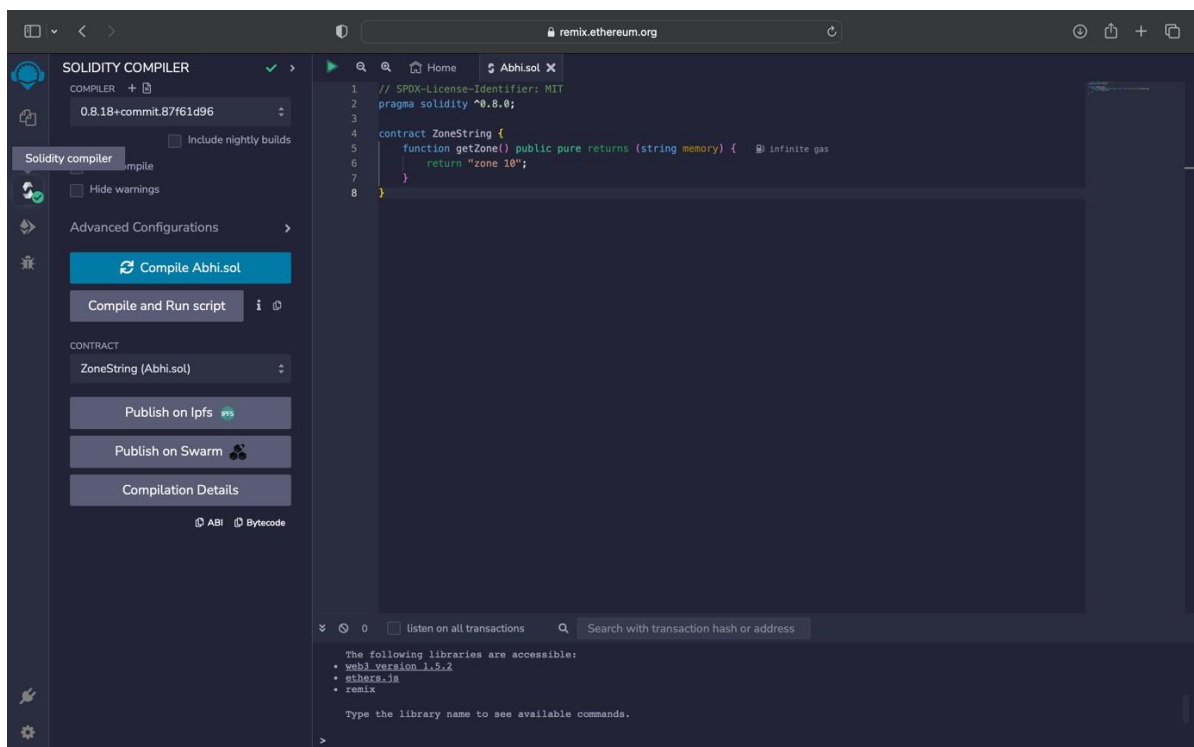
1. Open remix platform



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

[illegible]

5. Deployment

The screenshot displays the Remix IDE interface for deploying a Solidity contract. The left sidebar contains the 'DEPLOY & RUN TRANSACTIONS' panel, which includes fields for the account (0x5B3...eddC4), gas limit (3000000), value (0 Wei), and the selected contract (ZoneString - Abhi.sol). A 'Deploy' button is visible, along with options for 'Publish to IPFS' and 'At Address'. Below this, the 'Deployed Contracts' section shows the deployed contract 'ZONESTRING AT 0xD91...39138' with a 'getZone' button. The 'Low level interactions' section is also present.

The main editor shows the Solidity code for the 'ZoneString' contract:

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

The bottom panel shows the transaction log, indicating the successful deployment of the 'ZoneString' contract. The log entry reads: '[vm] from: 0x5B3...eddC4 to: ZoneString.(constructor) value: 0 wei data: 0x608...20033 logs: 0 hash: 0x3d0...2fdbb'. A 'Debug' button is available next to the log entry.