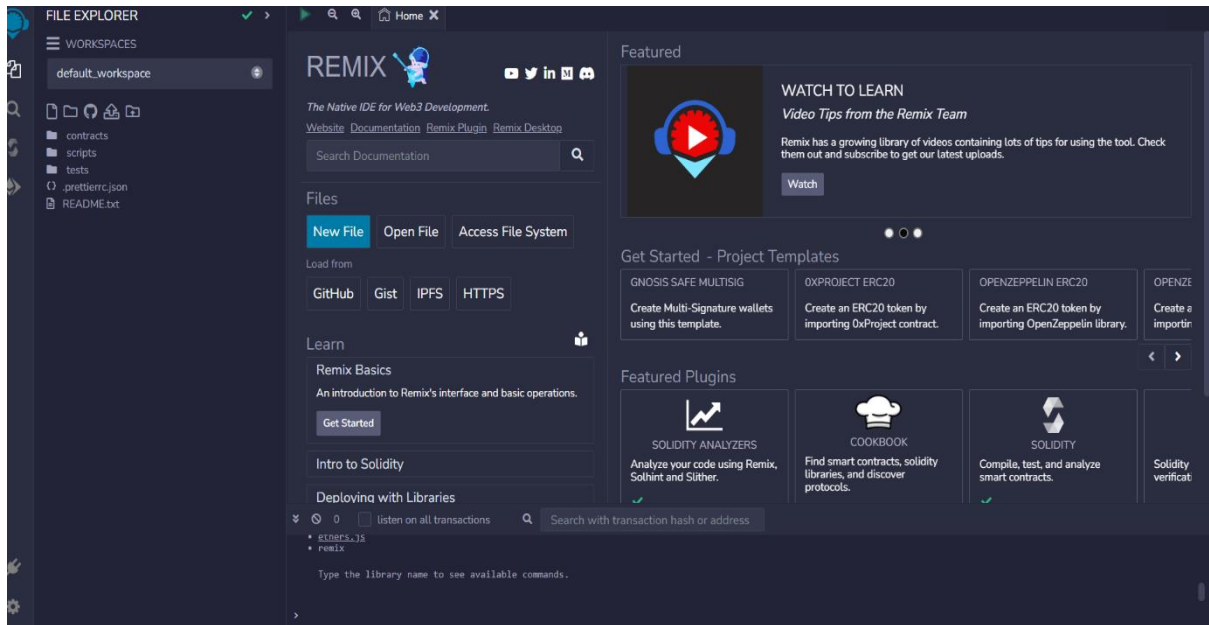
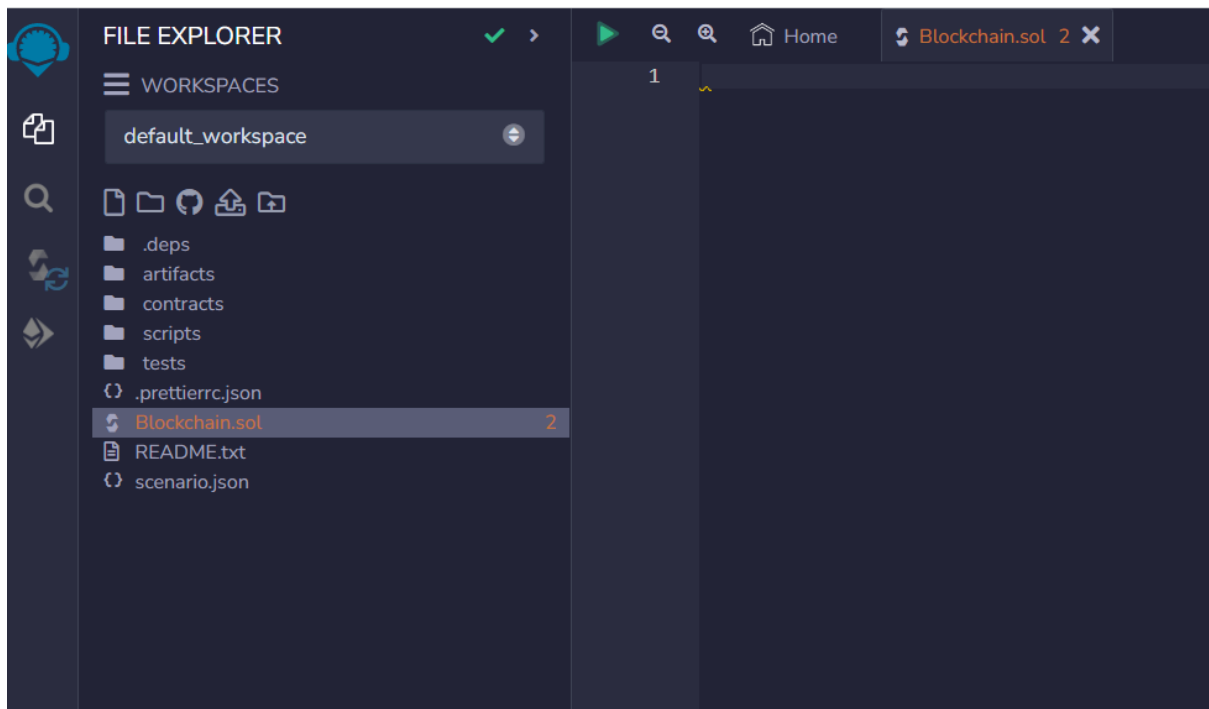


BLOCKCHAIN ASSIGNMENT 1

1. OPEN CHROME AND GO TO REMIX PLATFORM.



2. OPEN REMIX PAGE AND CREATE NEW FILE.

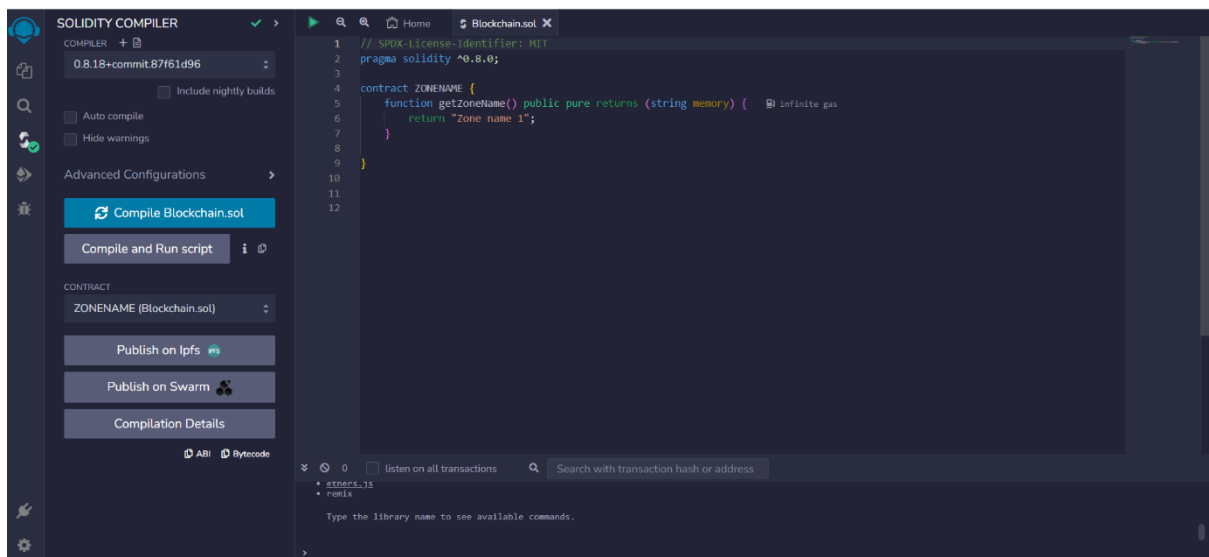


3. IN THAT NEWLY CREATED FILE, CREATE A PROGRAM TO RETURN THE STRING “ZONE NAME 1”



```
1 // SPDX-License-Identifier: MIT
2 pragma solidity ^0.8.0;
3
4 contract ZONENAME {
5     function getZoneName() public pure returns (string memory) { infinite gas
6         return "Zone name 1";
7     }
8 }
9
10
11
12
```

4. SAVE AND COMPILE THE PROGRAM TO GET ABI AND BYTE CODE.



The screenshot shows the Solidity Compiler interface with the following components:

- COMPILER:** 0.8.18+commit.87f61d96. Includes options for "Include nightly builds", "Auto compile", and "Hide warnings".
- Advanced Configurations:** A button to expand more settings.
- Buttons:** "Compile Blockchain.sol" (highlighted in blue), "Compile and Run script", "Publish on Ipfs", "Publish on Swarm", and "Compilation Details".
- CONTRACT:** ZONENAME (Blockchain.sol).
- Output:** A tab for "Bytecode" is selected, showing the compiled bytecode: `* etherbase
* remix`. Below the bytecode, it says "Type the library name to see available commands."

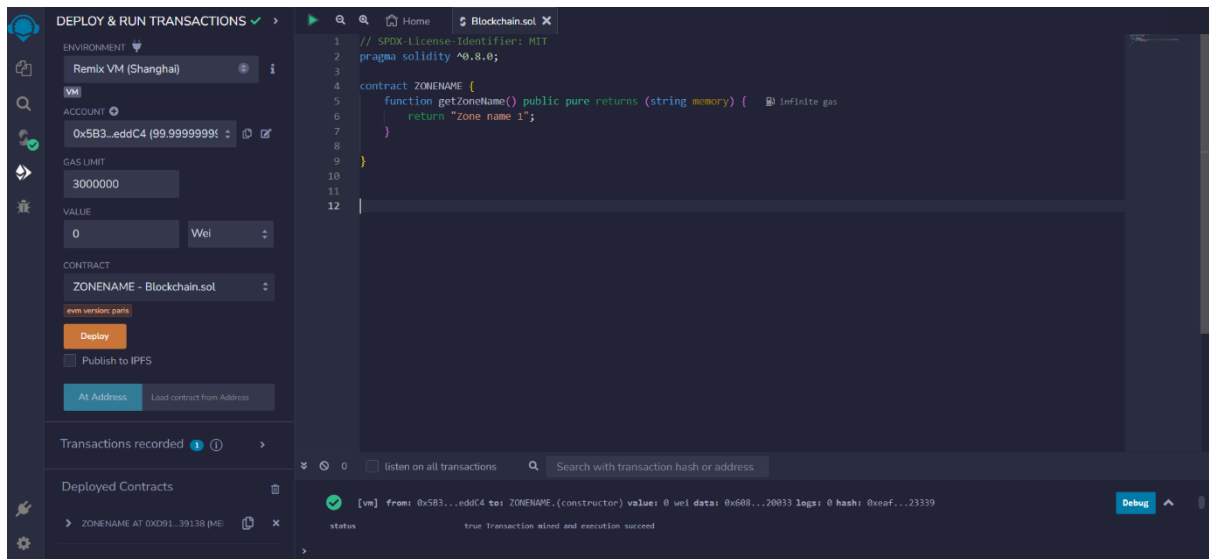
ABI CODE

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

BYTE CODE

```
608060405234801561001057600080fd5b50610173806100206000396000f3fe6
08060405234801561001057600080fd5b506004361061002b5760003560e01c8
063235ed70f14610030575b600080fd5b61003861004e565b604051610045919
061011b565b60405180910390f35b60606040518060400160405280600b81526
020017f5a6f6e65206e616d6520310000000000000000000000000000000000
000000815250905090565b600081519050919050565b60008282526020820190
5092915050565b60005b838110156100c5578082015181840152602081019050
6100aa565b60008484015250505050565b6000601f19601f8301169050919050
565b60006100ed8261008b565b6100f78185610096565b935061010781856020
86016100a7565b610110816100d1565b840191505092915050565b6000602082
019050818103600083015261013581846100e2565b90509291505056fea26469
70667358221220c544eac32925627bfc0200d79a71ffe02996ee1aa0b8b2a3253
02121aaaa7bf164736f6c63430008120033
```

5.DEPLOY AND DISPLAY THE OUTPUT.



NAME: VIGNESH T

NM_ID: F228F09BC3BBADFDB2A540540A194A017

COLLEGE / CODE: UCEK – 5134 (ZONE 1)