

Assignment : 1

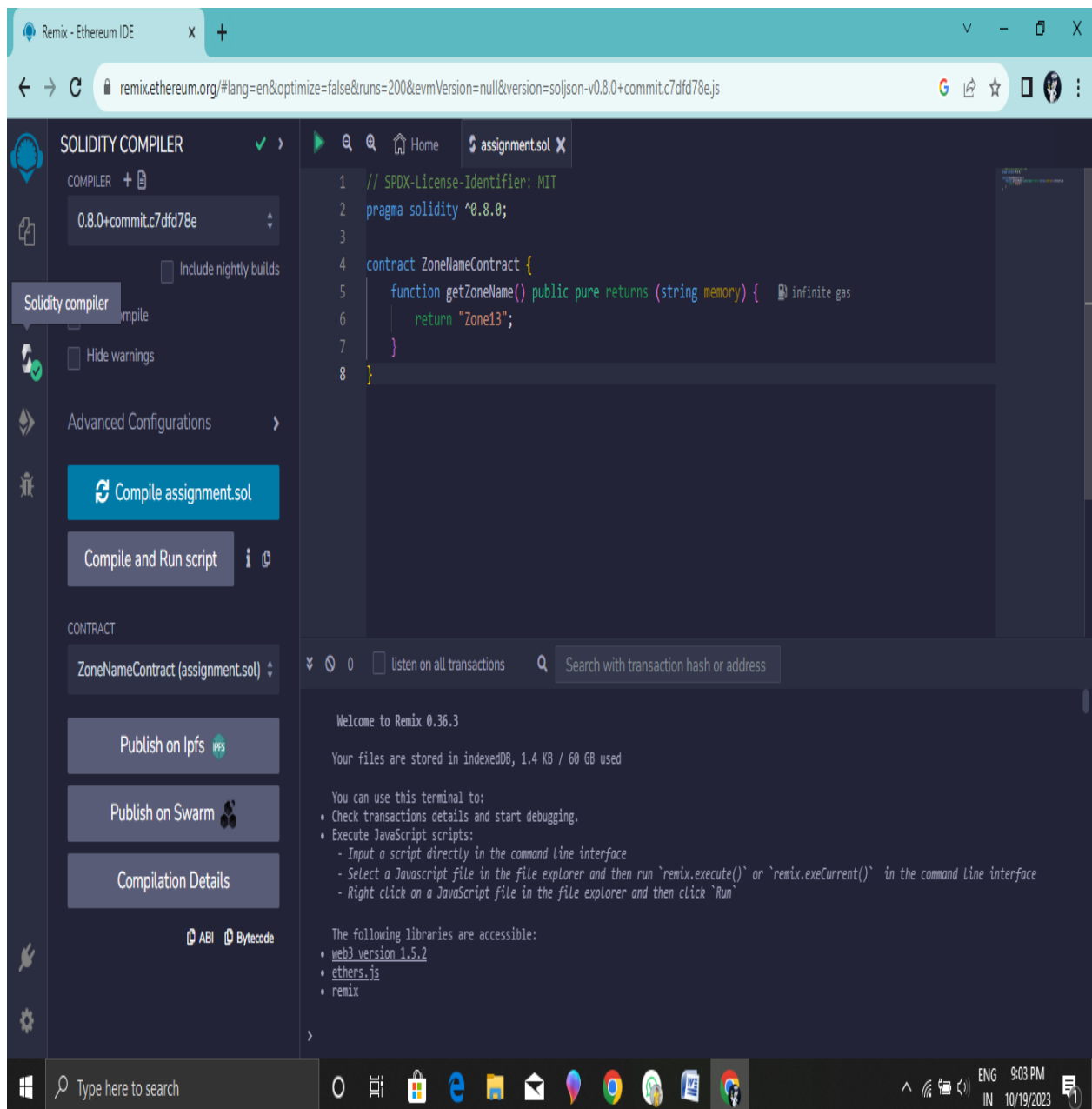
To do :

1. Create a new file and write a program to return the string “zone name” in remix platform.
2. save program and compile it to get the ABI and byte code.
3. deploy it to show the output.

ABI copy:

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

Screenshot of compilation screen :



BYTEcode copy:

608060405234801561001057600080fd5b5061017c806100206000396000
f3fe608060405234801561001057600080fd5b506004361061002b576000
3560e01c8063235ed70f14610030575b600080fd5b61003861004e565b60
405161004591906100c4565b60405180910390f35b606060405180604001
60405280600681526020017f5a6f6e6531330000000000000000000000
00000000000000000000000000000000815250905090565b600061009682610
0e6565b6100a081856100f1565b93506100b0818560208601610102565b6
100b981610135565b840191505092915050565b60006020820190508181
0360008301526100de818461008b565b905092915050565b60008151905
0919050565b600082825260208201905092915050565b60005b83811015
610120578082015181840152602081019050610105565b8381111561012f
576000848401525b50505050565b6000601f19601f830116905091905056
fea264697066735822122070cc925c99d979bfe039db8e7dcdcceaa2f2a7d
81913177074524140c9d1fbc864736f6c63430008000033

Deployment :

(Final output)

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-v0.8.0+commit.c7dfd78e.js`.

Left Panel: DEPLOY & RUN TRANSACTIONS

- ACCOUNT:** 0x5B3...eddC4 (99.999999)
- GAS LIMIT:** 3000000
- VALUE:** 0 Wei
- CONTRACT:** ZoneNameContract - assignment.sol
- evm version:** istanbul
- Buttons:** Deploy, Publish to IPFS, At Address, Load contract from Address
- Transactions recorded:** 1
- Deployed Contracts:** ZONENAMECONTRACT AT 0XD7

Center Panel: Code Editor

```
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 "Zone13";
7     }
8 }
```

Right Panel: Transaction Details

CALL [call] from: 0x5B38Da6a701c568545dCfc803Fc8875F56beddC4 to: ZoneNameContract.getZoneName() data: 0x235...ed70f

from: 0x5B38Da6a701c568545dCfc803Fc8875F56beddC4

to: ZoneNameContract.getZoneName() 0xD7ACd2a9FD159E698b102A1ca21C9a3e3A5F7718

execution cost: 741 gas (Cost only applies when called by a contract)

input: 0x235...ed70f

decoded input: {}

decoded output: {"0": "string: Zone13"}

logs: []

Bottom Bar: Windows taskbar showing search, application icons, and system clock (ENG IN 9:02 PM 10/19/2023).