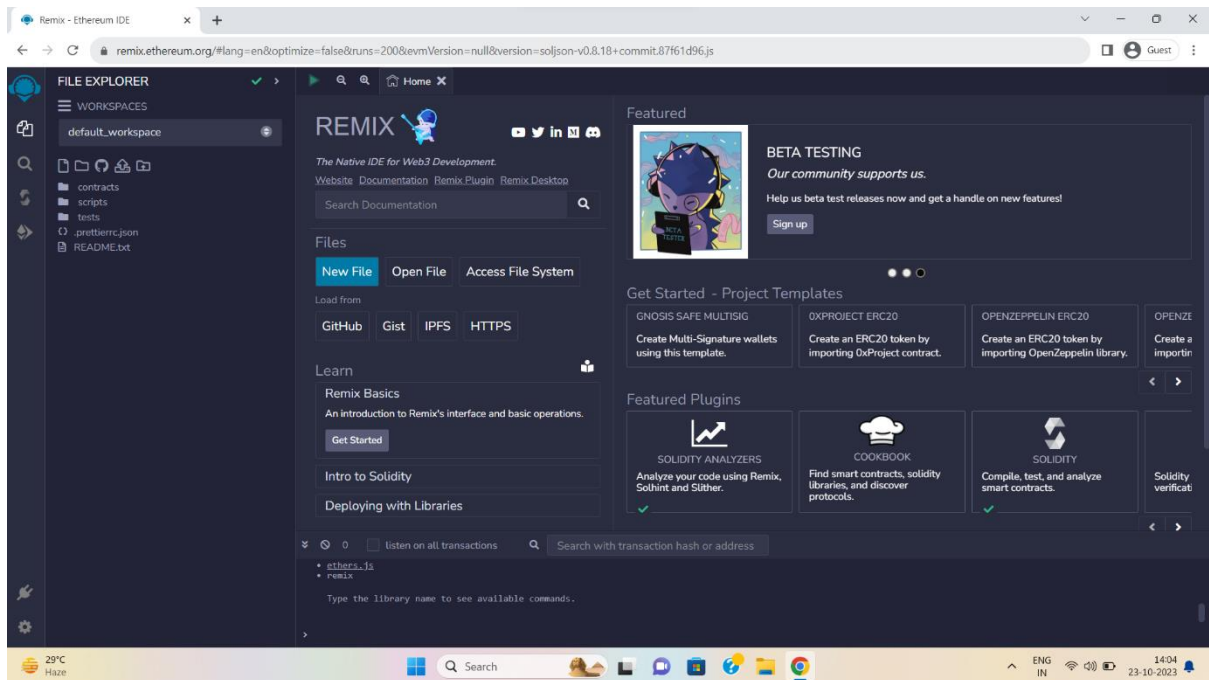


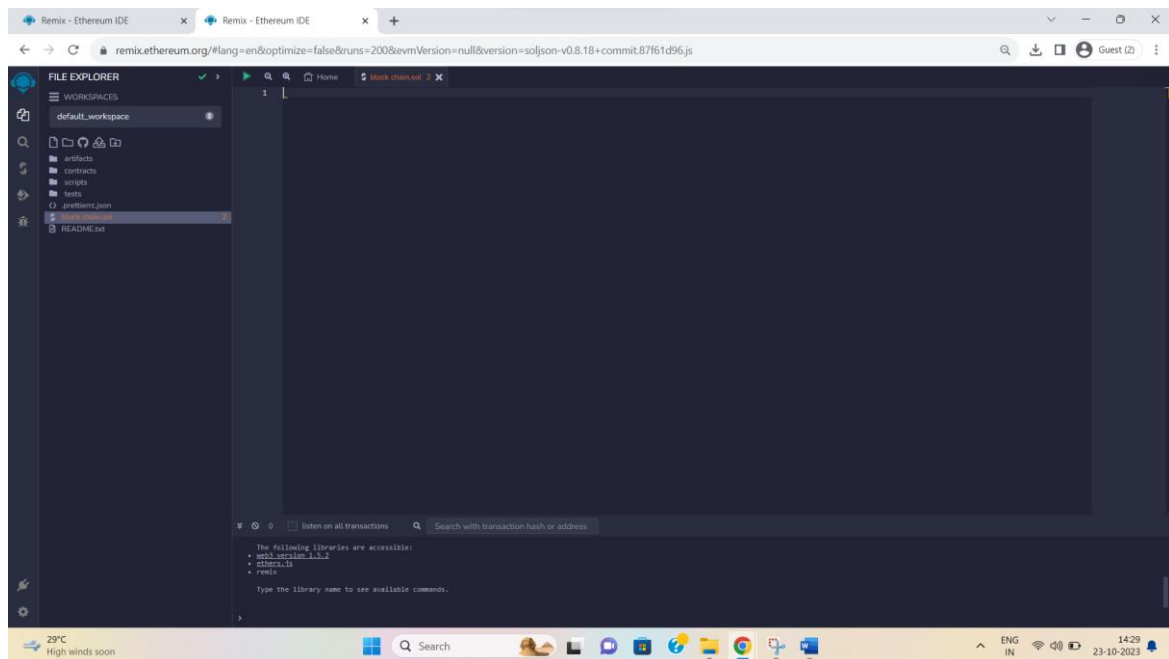
# Blockchain Technology

## Assignment 1

### 1. Open remix platform



### 2. Creating a new file



### 3. Program to return string

Code :

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

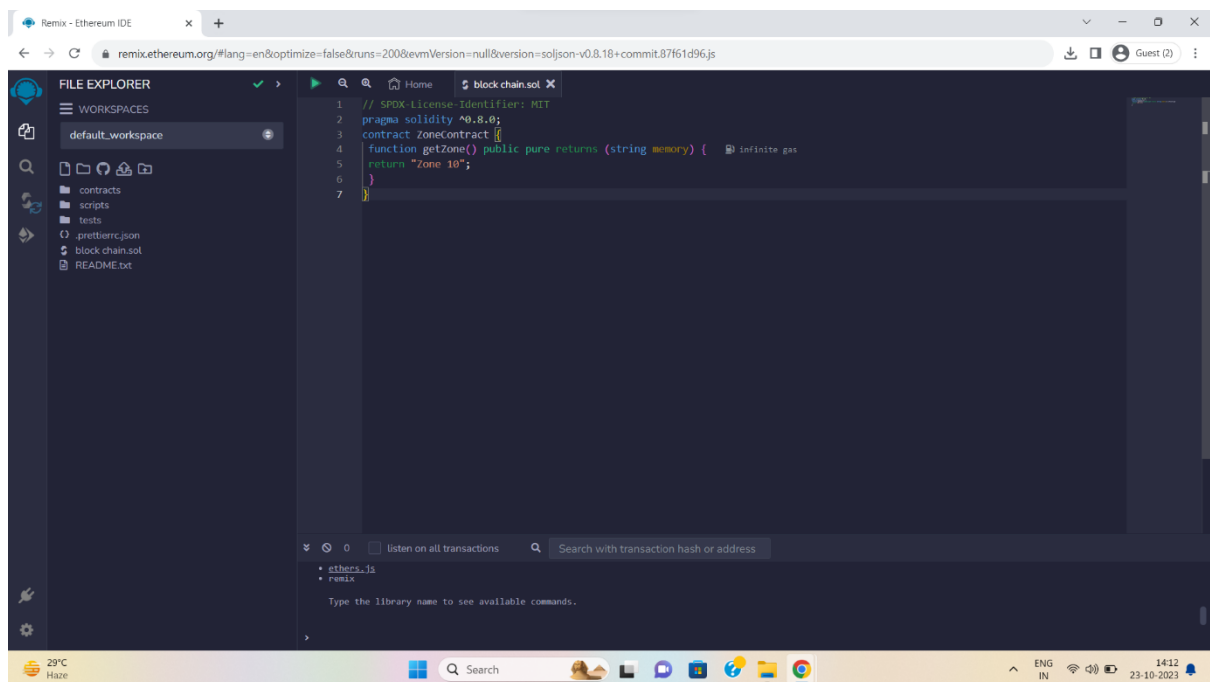
pragma solidity ^0.8.0;

contract ZoneContract {

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

return "Zone 10";

}}
```



**ABI :**

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

```
Ox608060405234801561001057600080fd5b50610173806100206000396000f3fe6080604052  
34801561001057600080fd5b506004361061002b5760003560e01c8063f9095eb71461003057  
5b600080fd5b61003861004e565b604051610045919061011b565b60405180910390f35b606  
06040518060400160405280600781526020017f5a6f6e65203130000000000000000000000  
0000000000000000000000000000000000000000000000000000000000000000000000000000  
0000000000000000000000000000000000000000000000000000000000000000000000000000  
60208201905092915050565b60005b838110156100c55780820151818401526020810190506  
100aa565b60008484015250505050565b6000601f19601f8301169050919050565b60006100e  
d8261008b565b6100f78185610096565b93506101078185602086016100a7565b6101108161  
00d1565b840191505092915050565b600060208201905081810360008301526101358184610  
0e2565b90509291505056fea26469706673582212209caa23b4a0b28d442a920d46fc5b6b1e27  
d94aae2380dbd1051dddfdcf3128dfb64736f6c63430008120033
```

The screenshot displays the Remix IDE interface. On the left, the 'Deploy & Run Transactions' sidebar is active, showing the account '0x5f3...\_addC4 (99.99999999)', a gas limit of 3,000,000, and a value of 0 Wei. The contract 'ZoneContract - block chain.sol' is selected, and the 'Deploy' button is highlighted. The main workspace shows the Solidity code for 'ZoneContract', which includes a pragma statement, a contract definition, and a 'getZone()' function. The bottom panel shows the transaction log with a successful deployment message: '[w] From: 0x5f3...\_addC4 to: ZoneContract.(constructor) value: 0 wei data: 0x08...20033 logs: 0 hash: 0x0d4...0d40'. The status bar at the bottom indicates '23°C High winds soon' and the date '23-10-2023'.