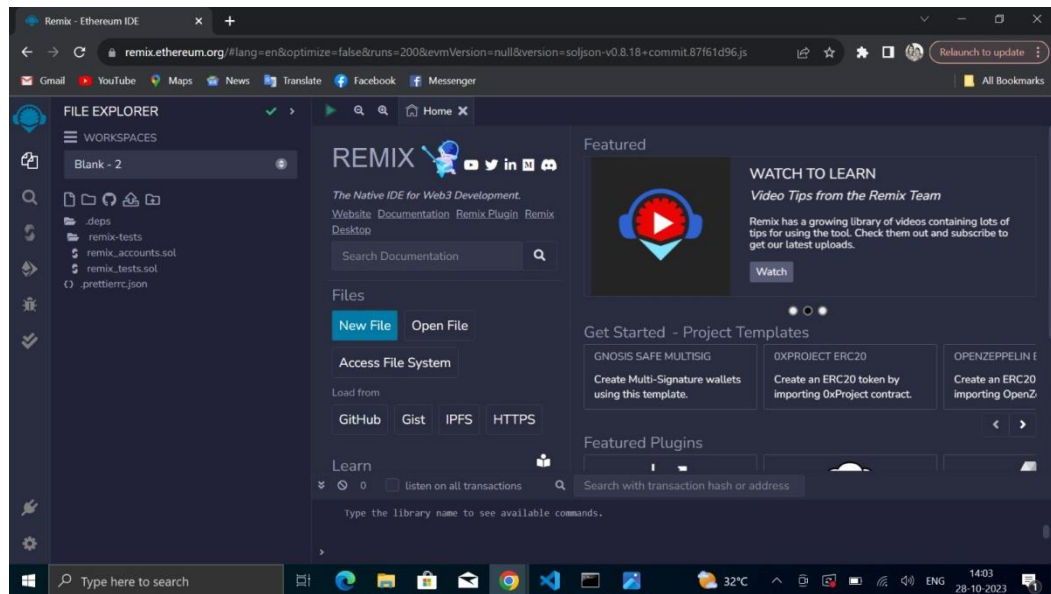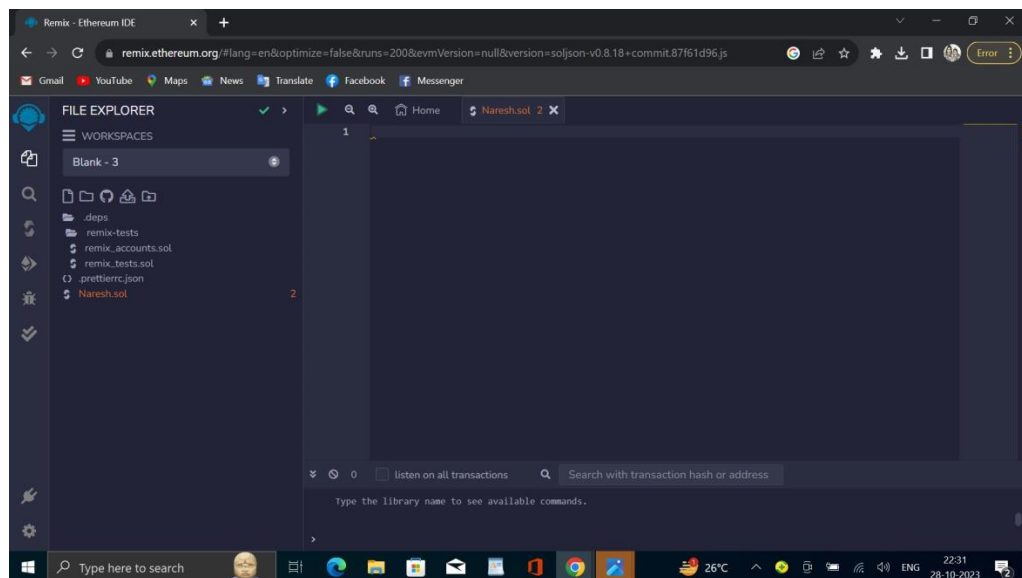# Assignment for Block chain Technology

Step 1: Go to the chrome and open remix platform.
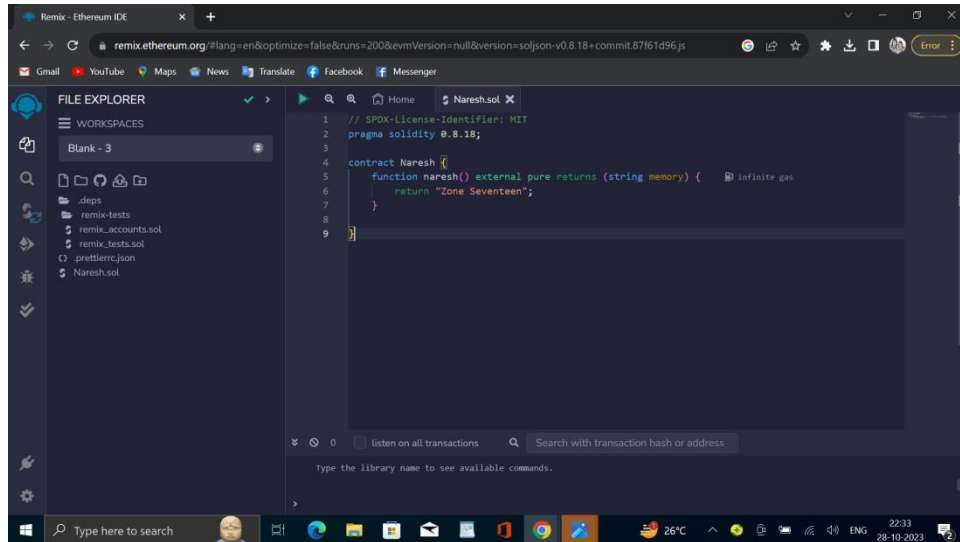

Step 2: Open the remix page and create the new file.

Step 3: Write the program to get the string "Zone name" in the newly created file.

Code :

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

pragma solidity 0.8.18;

contract Naresh

{

        function naresh() external pure returns (string memory)

        {

                return "Zone Seventeen";

        }

}
```

Step 4: Save the program and compile it to get the ABI and Byte code.

.
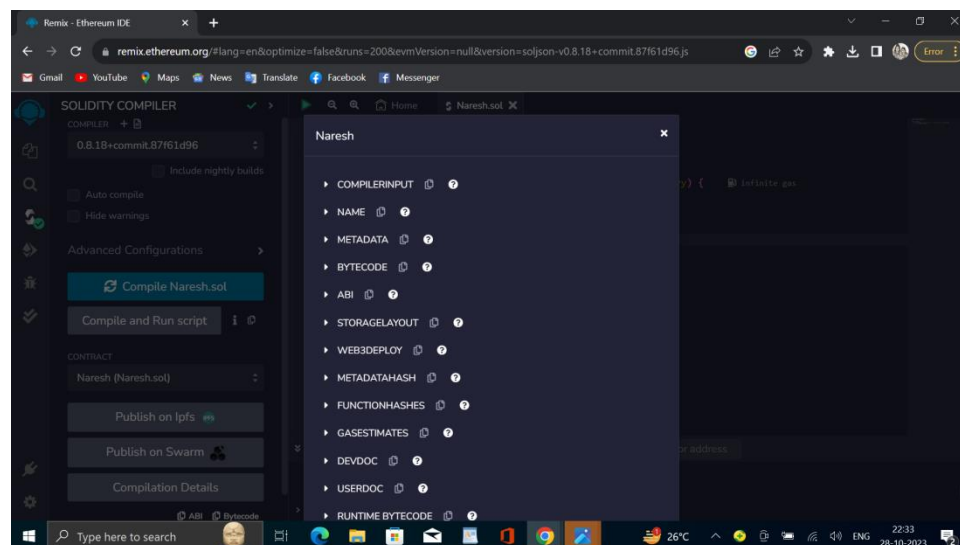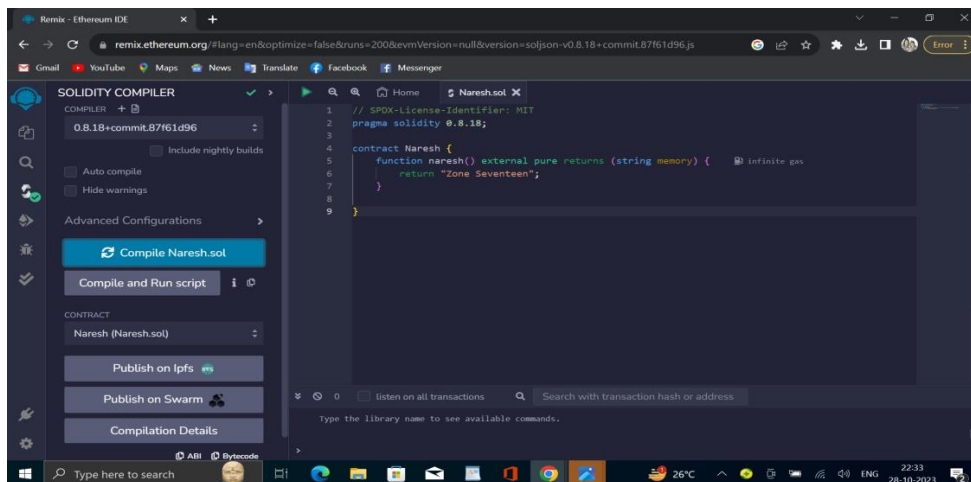
Byte code :

{

        "functionDebugData": {},

        "generatedSources": [],

        "linkReferences": {},

        "object":

        "608060405234801561001057600080fd5b50610173806100206000396000f3fe6080
604052348015610010576000 80fd5b506004361061002b5760003560e01c80633d35

dfed14610030575b600080fd5b61003861004e565b604051610045919061011b565b
60405180910390f35b6060604051806040016040528060e81526020017f5a6f6e652
0536576656e7465656e00000000000000000000000000000000000008152509050905
65b600081519050919050565b60008282526020820190509291505056b60005b83
8110156100c55780820151818401526020810190506100aa565b6000848401525050
5050565b6000601f19601f8301169050919050565b60006100ed8261008b565b6100f
78185610096565b93506101078185602086016100a7565b610110816100d1565b84
01915050929150505b60006020820190508181036000830152610135818461000e2
565b90509291505056fea2646970667358221220733319e47d01dcd498aeab3f0b7d
622d18876632212b9965f53713ec25aae89c64736f6c63430008120033",

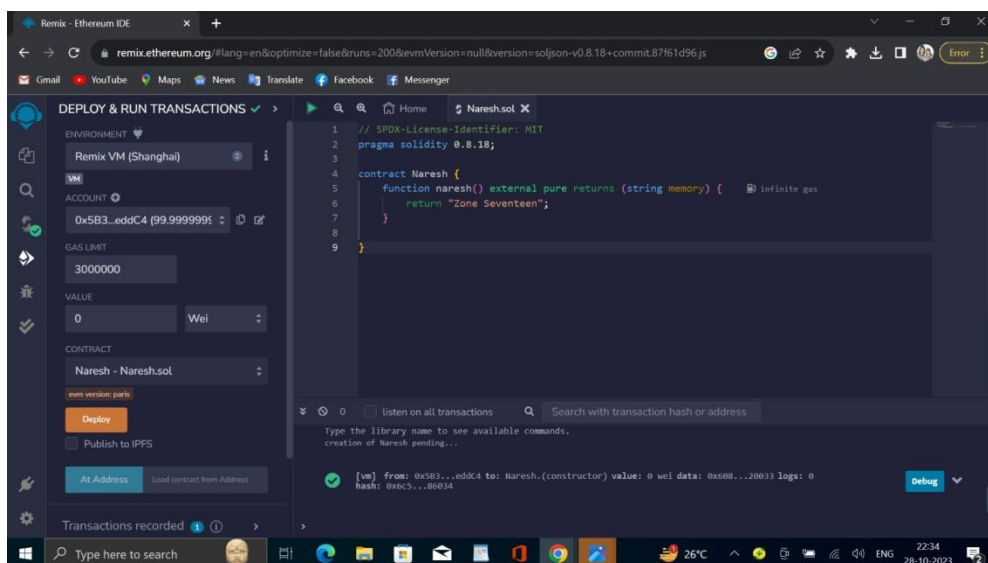"opcodes": "PUSH1 0x80 PUSH1 0x40 MSTORE CALLVALUE DUP1 ISZERO PUSH2 0x10 JUMPI PUSH1 0x0 DUP1 REVERT JUMPDEST POP PUSH2 0x173 DUP1 PUSH2 0x20 PUSH1 0x0 CODECOPY PUSH1 0x0 RETURN INVALID PUSH1 0x80 PUSH1 0x40 MSTORE CALLVALUE DUP1 ISZERO PUSH2 0x10 JUMPI PUSH1 0x0 DUP1 REVERT JUMPDEST POP PUSH1 0x4 CALLDATASIZE LT PUSH2 0x2B JUMPI PUSH1 0x0 CALLDATALOAD PUSH1 0xE0 SHR DUP1 PUSH4 0x3D35DFED EQ PUSH2 0x30 JUMPI JUMPDEST PUSH1 0x0 DUP1 REVERT JUMPDEST PUSH2 0x38 PUSH2 0x4E JUMP JUMPDEST PUSH1 0x40 MLOAD PUSH2 0x45 SWAP2 SWAP1 PUSH2 0x11B JUMP JUMPDEST PUSH1 0x40 MLOAD DUP1 SWAP2 SUB SWAP1 RETURN JUMPDEST PUSH1 0x60 PUSH1 0x40 MLOAD DUP1 PUSH1 0x40 ADD PUSH1 0x40 MSTORE DUP1 PUSH1 0xE DUP2 MSTORE PUSH1 0x20 ADD PUSH32 0x5A6F6E6520536576656E7465656E0000000000000000000000000000000000000 DUP2 MSTORE POP SWAP1 POP SWAP1 JUMP JUMPDEST PUSH1 0x0 DUP2 MLOAD SWAP1 POP SWAP2 SWAP1 POP JUMP JUMPDEST PUSH1 0x0 DUP3 DUP3 MSTORE PUSH1 0x20 DUP3 ADD SWAP1 POP SWAP3 SWAP2 POP POP JUMP JUMPDEST PUSH1 0x0 JUMPDEST DUP4 DUP2 LT ISZERO PUSH2 0xC5 JUMPI DUP1 DUP3 ADD MLOAD DUP2 DUP5 ADD MSTORE PUSH1 0x20 DUP2 ADD SWAP1 POP PUSH2 0xAA JUMP JUMPDEST PUSH1 0x0 DUP5 DUP5 ADD MSTORE POP POP POP POP JUMP JUMPDEST PUSH1 0x0 PUSH1 0x1F NOT PUSH1 0x1F DUP4 ADD AND SWAP1 POP SWAP2 SWAP1 POP JUMP JUMPDEST PUSH1 0x0 PUSH2 0xED DUP3 PUSH2 0x8B JUMP JUMPDEST PUSH2 0xF7 DUP2 DUP6 PUSH2 0x96 JUMP JUMPDEST SWAP4 POP PUSH2 0x107 DUP2 DUP6 PUSH1 0x20 DUP7 ADD PUSH2 0xA7 JUMP JUMPDEST PUSH2 0x110 DUP2 PUSH2 0xD1 JUMP JUMPDEST DUP5 ADD SWAP2 POP POP SWAP3 SWAP2 POP POP JUMP JUMPDEST PUSH1 0x0 PUSH1 0x20 DUP3 ADD SWAP1 POP DUP2 DUP2 SUB PUSH1 0x0 DUP4 ADD MSTORE PUSH2 0x135 DUP2 DUP5 PUSH2 0xE2 JUMP JUMPDEST SWAP1 POP SWAP3 SWAP2 POP POP JUMP INVALID LOG2 PUSH5 0x6970667358 0x22 SLT KECCAK256 PUSH20 0x3319E47D01DCD498AEAB3F0B7D622D1887663221 0x2B SWAP10 PUSH6 0xF53713EC25AA 0xE8 SWAP13 PUSH5 0x736F6C6343 STOP ADDMOD SLT STOP CALLER ",

"sourceMap": "66:144:0:-:0;;;;;;;;;;;;;;;;"

}

ABI code :

```
[
    {
        "inputs": [],
        "name": "naresh",
        "outputs":
            [
                {
                    "internalType": "string",
                    "name": "",
                    "type": "string"
                }
            ],
        "stateMutability": "pure",
        "type": "function"
    }
]
```
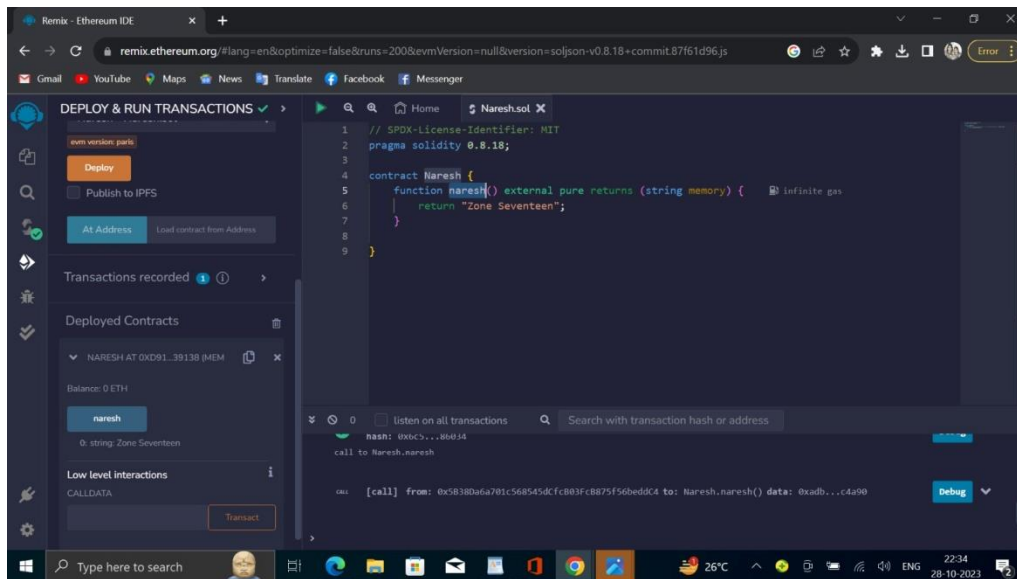
Step 5 : Deploy it to display the output**.**

Submitted by

M.P. Naresh Kumar

REG.N0 :963520106032.