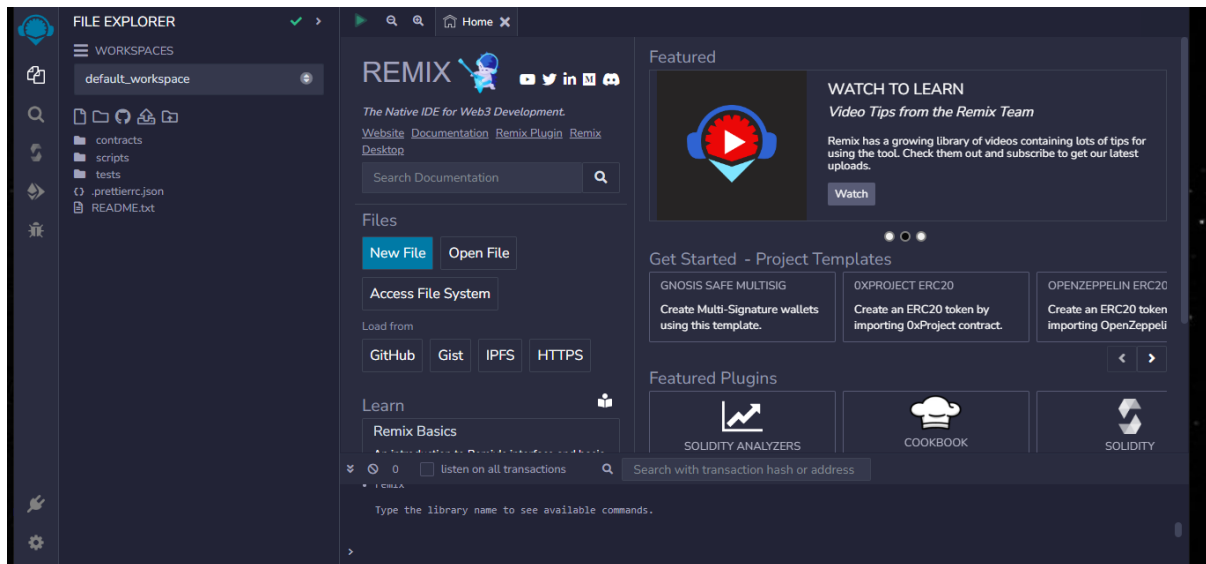
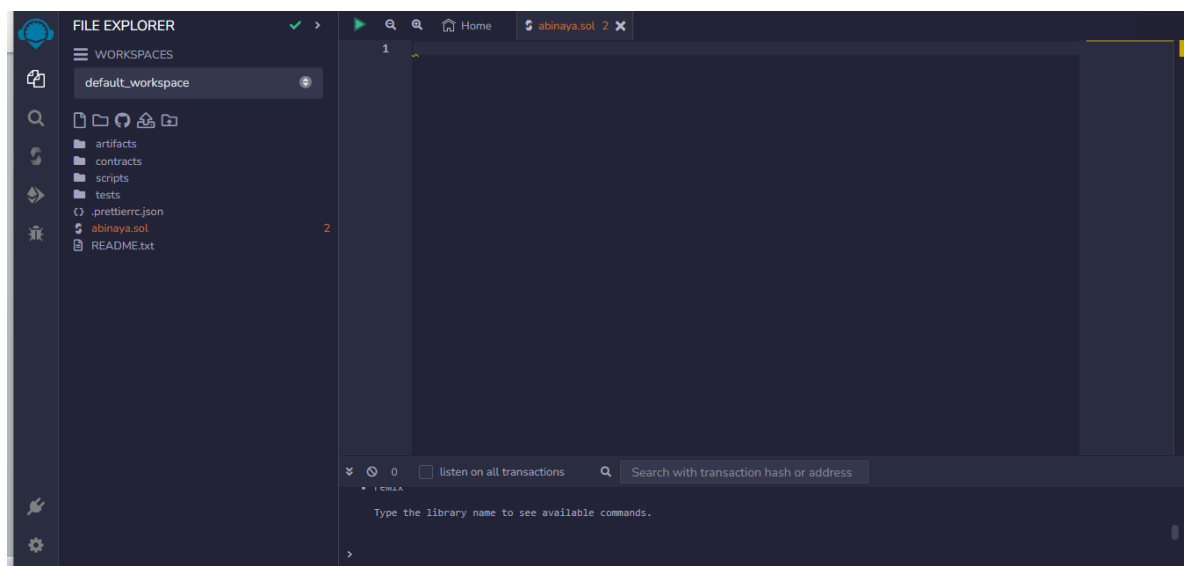


# Assignment for Block Chain Technology

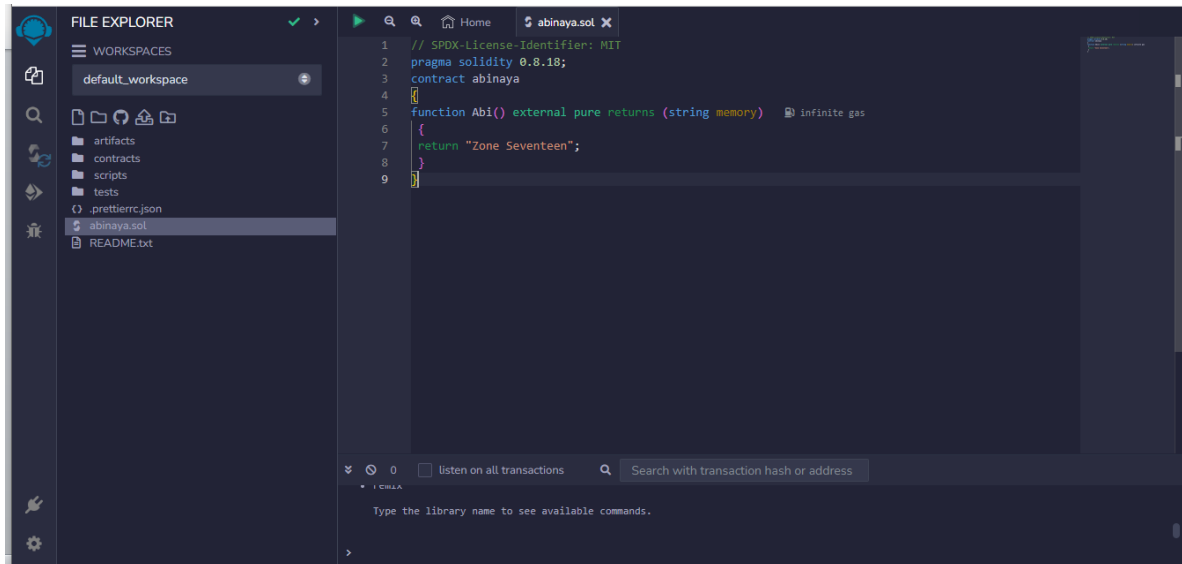
**Step 1:** Go to Chrome and open remix platform



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



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



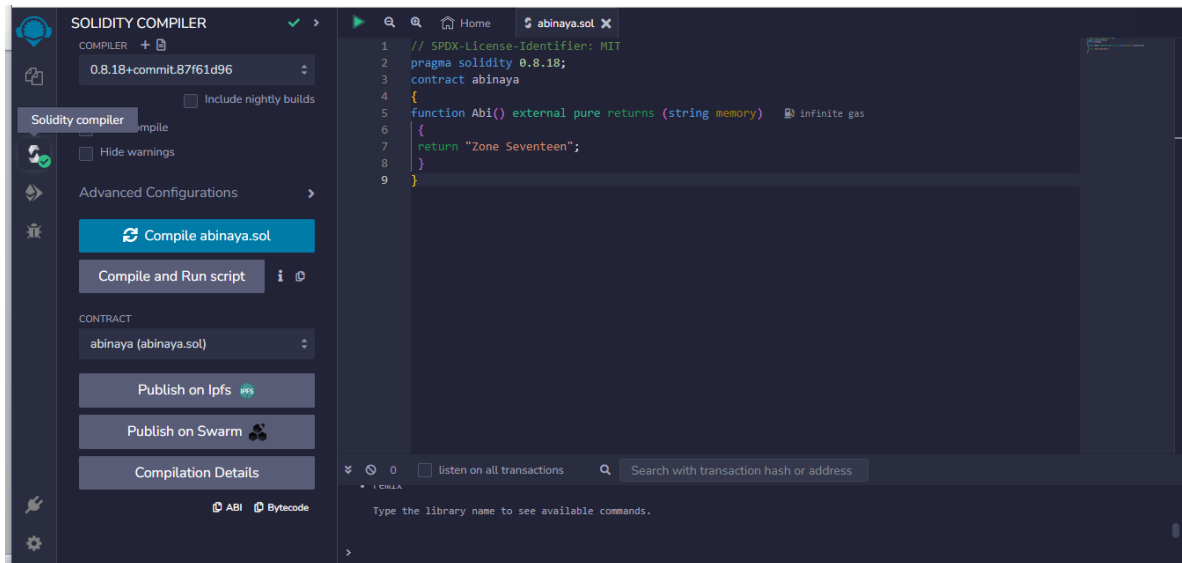
**Code:**

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

pragma solidity 0.8.18;

contract abinaya
{
    function Abi() external pure returns (string memory)
    {
        return "Zone Seventeen";
    }
}
```

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



**ABI code:**

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

## Byte code:

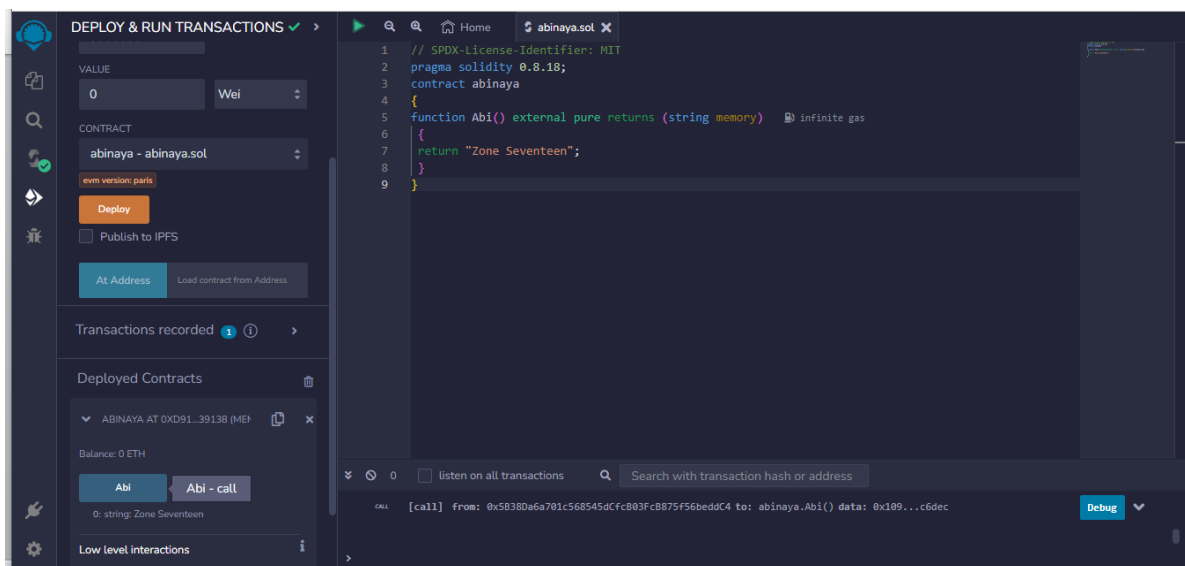
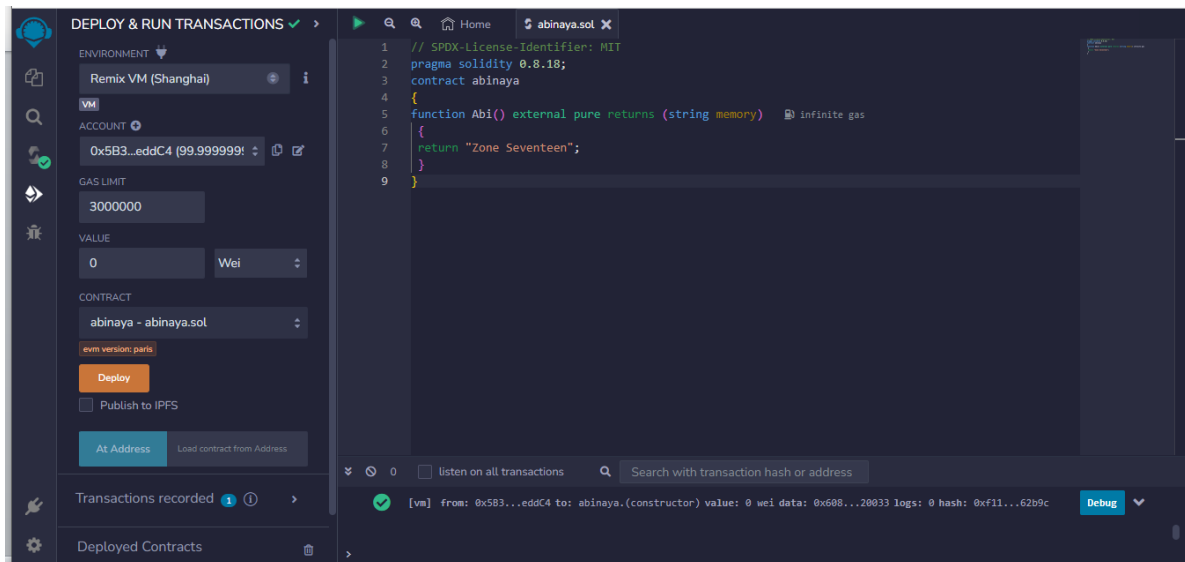
```
{  
  
  "functionDebugData": {},  
  
  "generatedSources": [],  
  
  "linkReferences": {},  
  
  "object":  
    "608060405234801561001057600080fd5b50610173806100206000396000f3fe60806040523480156  
1001057600080fd5b506004361061002b5760003560e01c8063109c6dec14610030575b600080fd5b6  
1003861004e565b604051610045919061011b565b60405180910390f35b6060604051806040016040  
5280600e81526020017f5a6f6e6520536576656e7465656e000000000000000000000000000000  
000815250905090565b600081519050919050565b600082825260208201905092915050565b60005  
b838110156100c55780820151818401526020810190506100aa565b60008484015250505050565b60  
0601f19601f8301169050919050565b60006100ed8261008b565b6100f78185610096565b9350610  
1078185602086016100a7565b610110816100d1565b840191505092915050565b600060208201905  
0818103600083015261013581846100e2565b90509291505056fea264697066735822122010609216  
085db509f5430dc12757853feed32a0595e3902e70e13c533c7b27f464736f6c63430008120033",  
  
  "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 0x109C6DEC 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  
0x5A6F6E6520536576656E7465656E0000000000000000000000000000000000000000 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 LT PUSH1 0x92 AND ADDMOD 0x5D 0xB5 MULMOD CREATE2 NUMBER 0xD 0xC1 0x27  
JUMPI DUP6 EXTCODEHASH 0xEE 0xD3 0x2A SDIV SWAP6 0xE3 SWAP1 0x2E PUSH17  
0xE13C533C7B27F464736F6C634300081200 CALLER ",
```

```

"sourceMap": "58:111:0:-:0,,,,,,,,,,,,,,,,,,,,,"
}

```

**Step5:** Deploy it to display the output



Submitted by,

Abinaya S

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