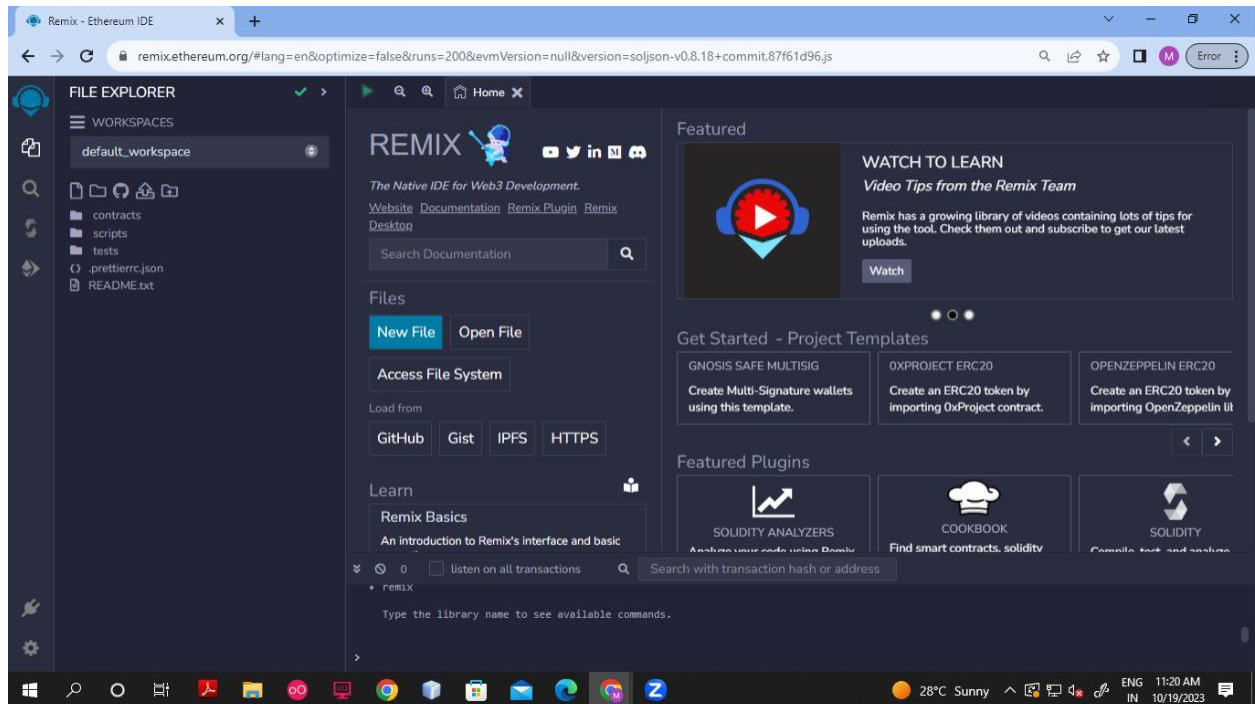
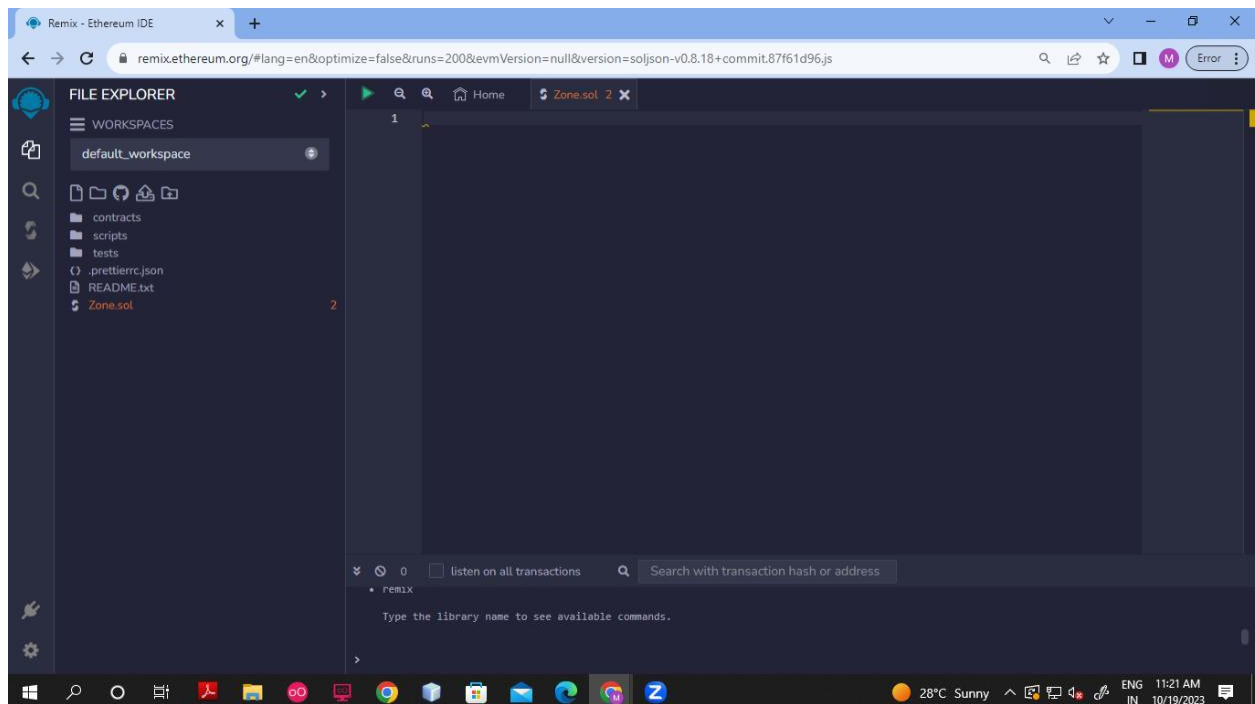


Assignment 1

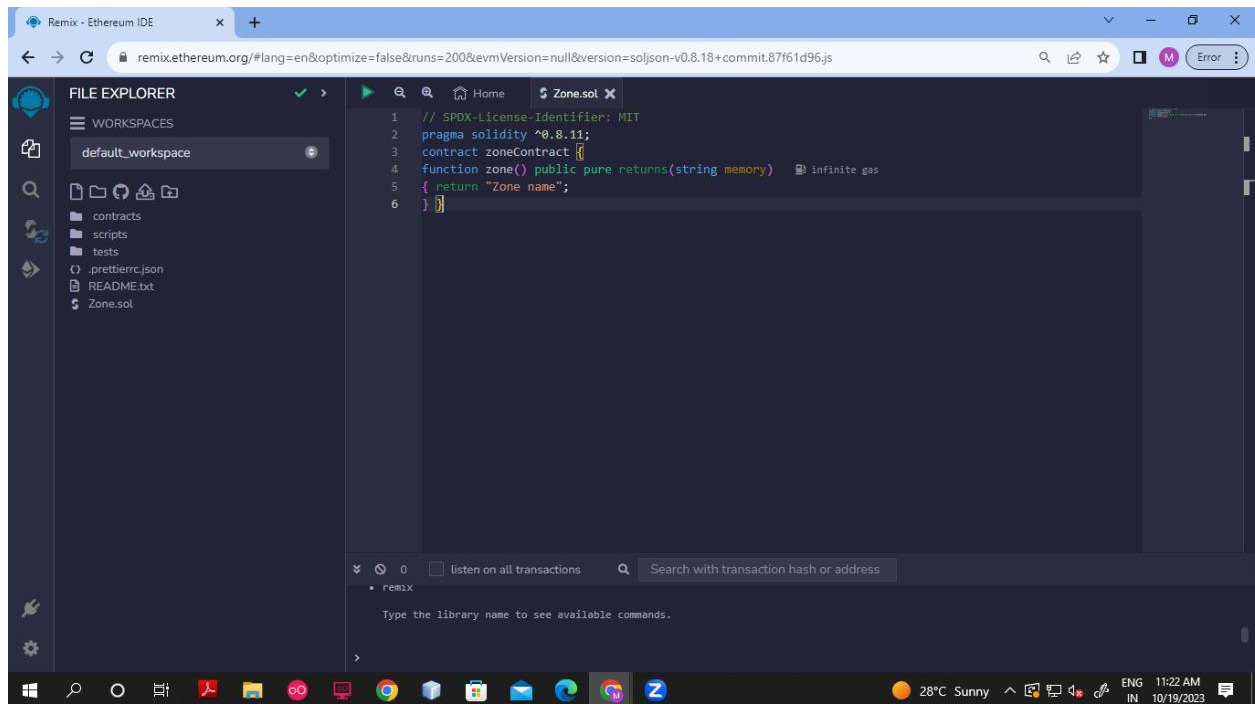
1. Go to the chrome and open remix platform



2. Open the remix page and create a new file



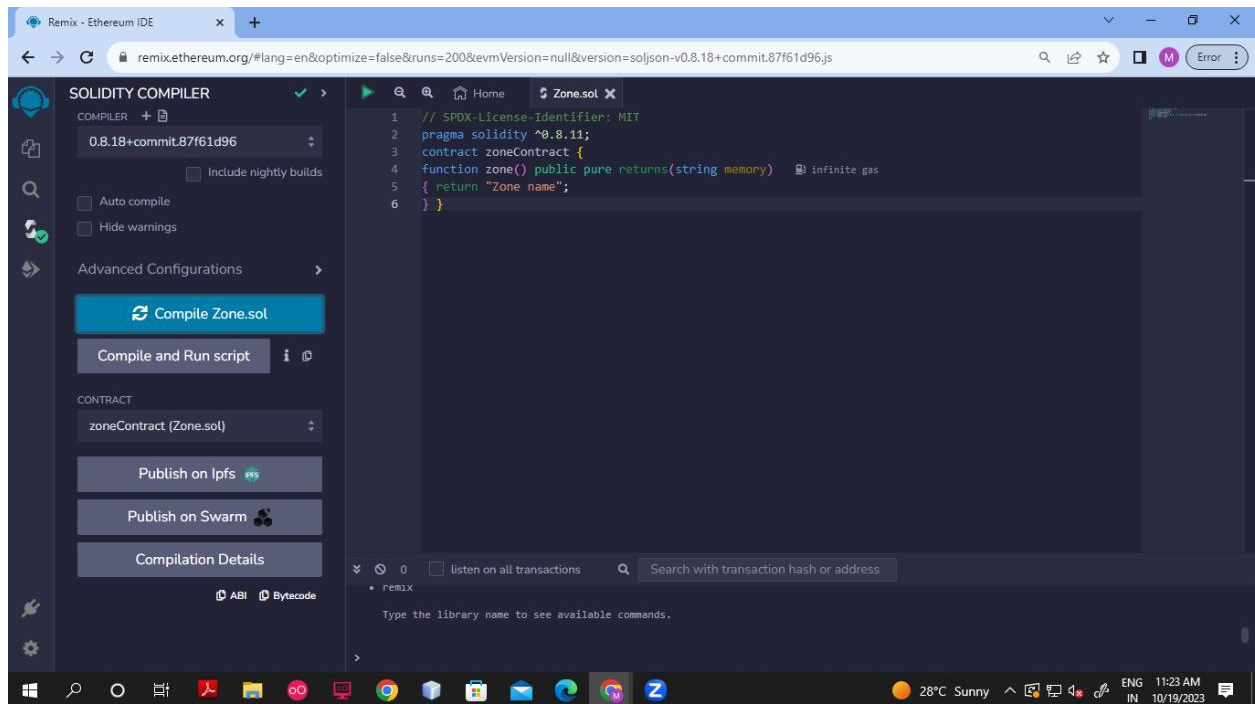
3. Create a program to return your string, "Zone name"
in the created file



Program

```
// SPDX-License-Identifier:
MIT pragma solidity ^0.8.11;
contract zoneContract {
function zone() public pure returns(string
memory) { return "Zone name";
} }
```

4. Save the program and compile it to get the ABI and Bytecode



ABI

```
[  
  {  
    "inputs": [],  
    "name": "zone",  
    "outputs": [  
      {  
        "internalType": "string",  
        "name": "",  
        "type": "string"  
      }  
    ],  
  }  
]
```

```

    "type": "function"
  }
]

```

608060405234801561001057600080fd5b50610173806100206000396000f3fe608
060405234801561001057600080fd5b506004361061002b5760003560e01c8063f3
10b98514610030575b600080fd5b61003861004e565b604051610045919061011b5
65b60405180910390f35b60606040518060400160405280600981526020017f5a6f
6e65206e61d650008152509
05090565b600081519050919050565b600082825260208201905092915050565b6
0005b838110156100c55780820151818401526020810190506100aa565b60008484
015250505050565b6000601f19601f8301169050919050565b60006100ed8261008
b565b6100f78185610096565b93506101078185602086016100a7565b6101108161
00d1565b840191505092915050565b600060208201905081810360008301526101
3581846100e2565b90509291505056fea264697066735822122012f90c7216015a73
d53a0f54ccc334bbcf9ac652518306a00b07a13f37172a4664736f6c6343000812003 3

The screenshot displays the Remix Ethereum IDE interface. The top browser bar shows the URL: `remix.ethereum.org/#lang=en&optimize=false&runs=200&evmVersion=null&version=soljson-v0.8.18+commit.87f61d96.js`.

The left sidebar features the **DEPLOY & RUN TRANSACTIONS** panel. It shows a selected contract `zoneContract - Zone.sol` with an `evm version: paris` setting. Below this are buttons for **Deploy**, **Publish to IPFS**, and **At Address** (with a subtext "Load contract from Address"). The **Transactions recorded** section shows one transaction. The **Deployed Contracts** section lists `ZONECONTRACT AT 0xD91...391` with a balance of `0 ETH` and a `zone` button. The **Low level interactions** section shows a `CALLDATA` field and a **Transact** button.

The main editor displays the Solidity code for `Zone.sol`:

```

1 // SPDX-License-Identifier: MIT
2 pragma solidity ^0.8.11;
3 contract zoneContract {
4     function zone() public pure returns(string memory) {
5         return "Zone name";
6     }
}

```

The bottom panel shows a transaction log with a `[call]` entry from `0x58380a6a701c568545dcfc803fc875f56bedc4` to `zoneContract.zone()` with data `0xf31...0b985`. A **Debug** button is visible next to the transaction entry.