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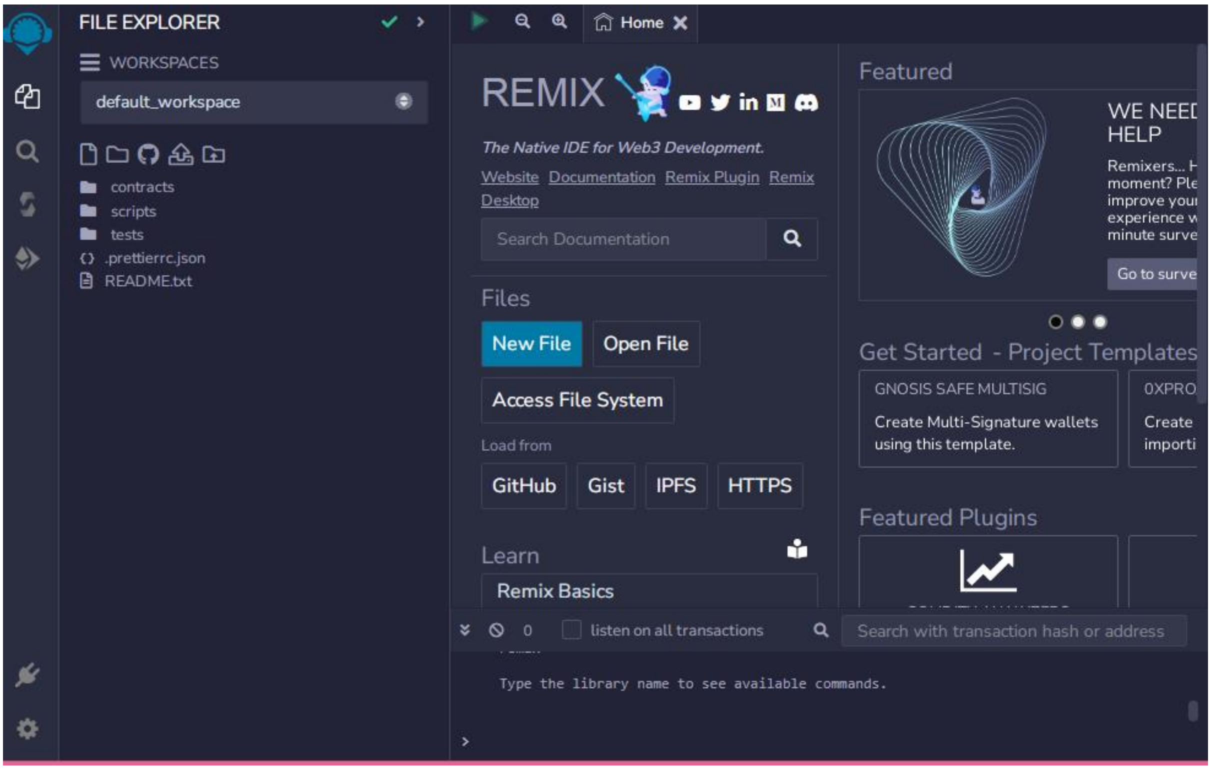
ZONE	4
COLLEGE NAME	TAGORE ENGINERRING COLLEGE

ASSIGNMENT-1

STEP1: Go to the chrome and open remix platform



The Native IDE for Web3 Development.

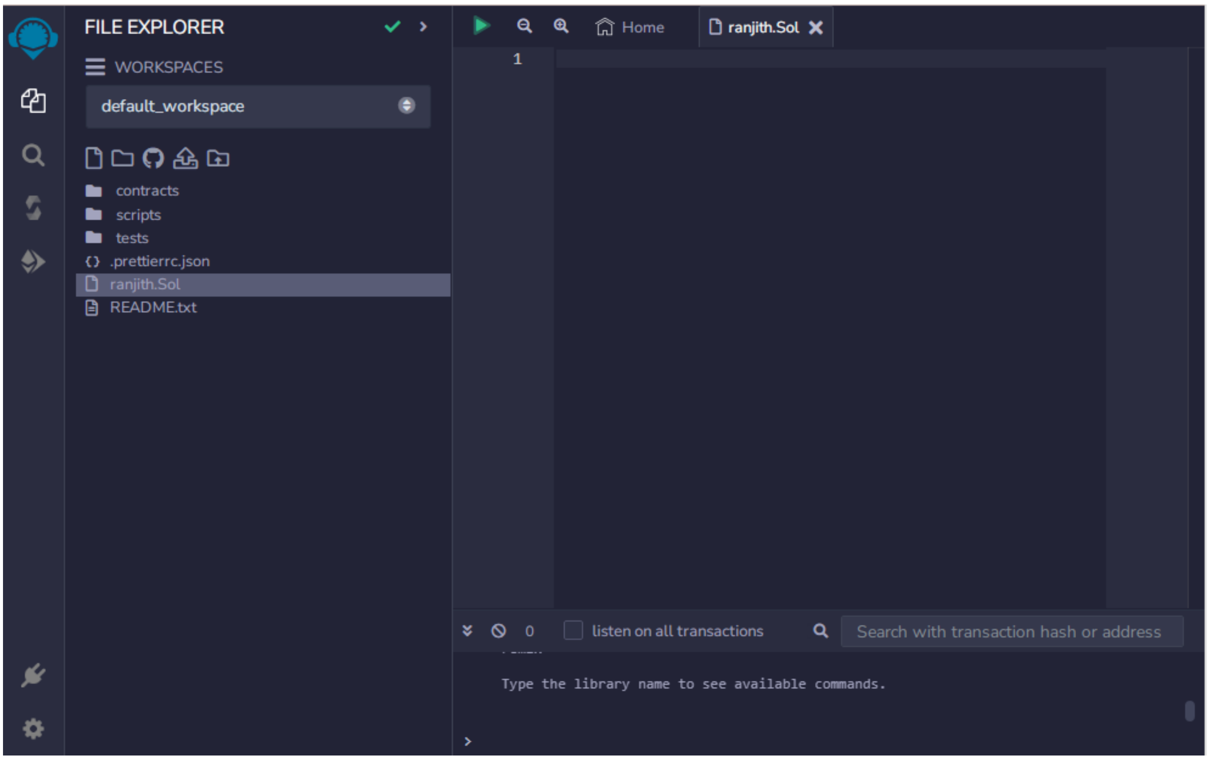
Remixers... H moment? Ple improve your experience w minute surve

Create Multi-Signature wallets using this template.

Create importi

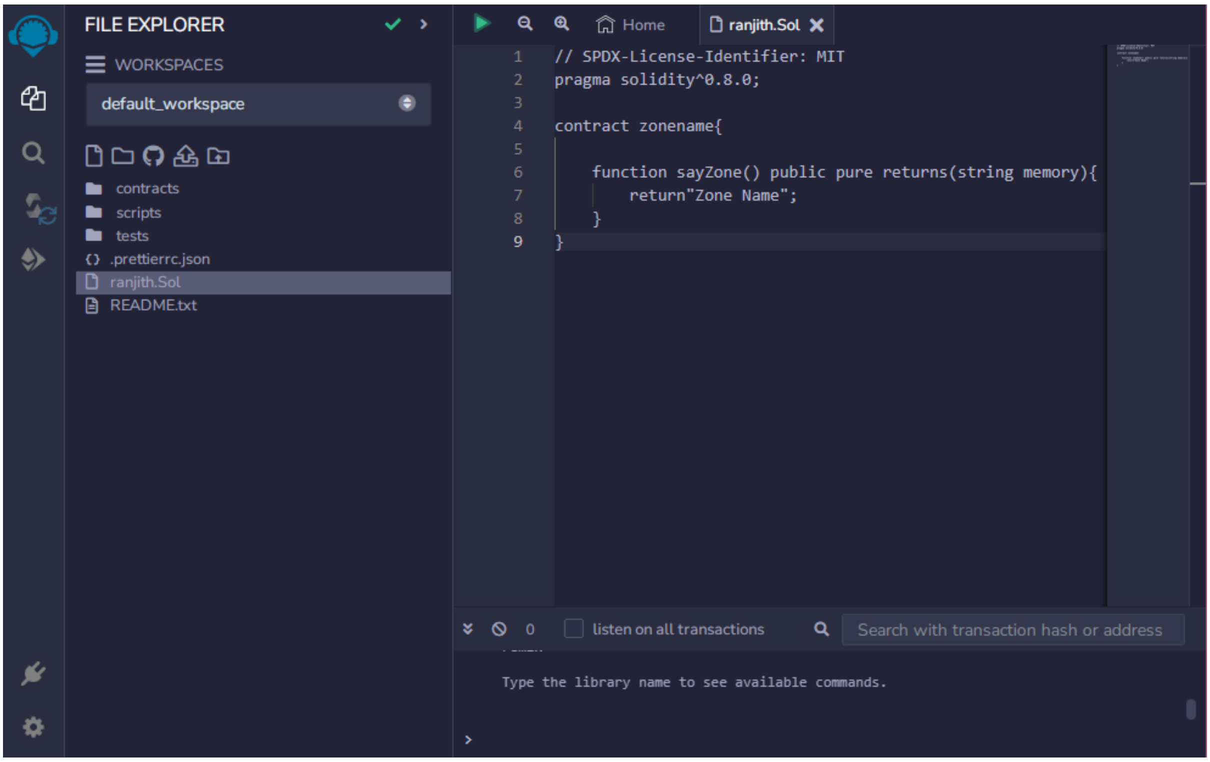
```
Type the library name to see available commands.
```

STEP2: Create a new file



```
Type the library name to see available commands.
```

STEP3: In that newly created file, create a program to return your string, "Zone name"



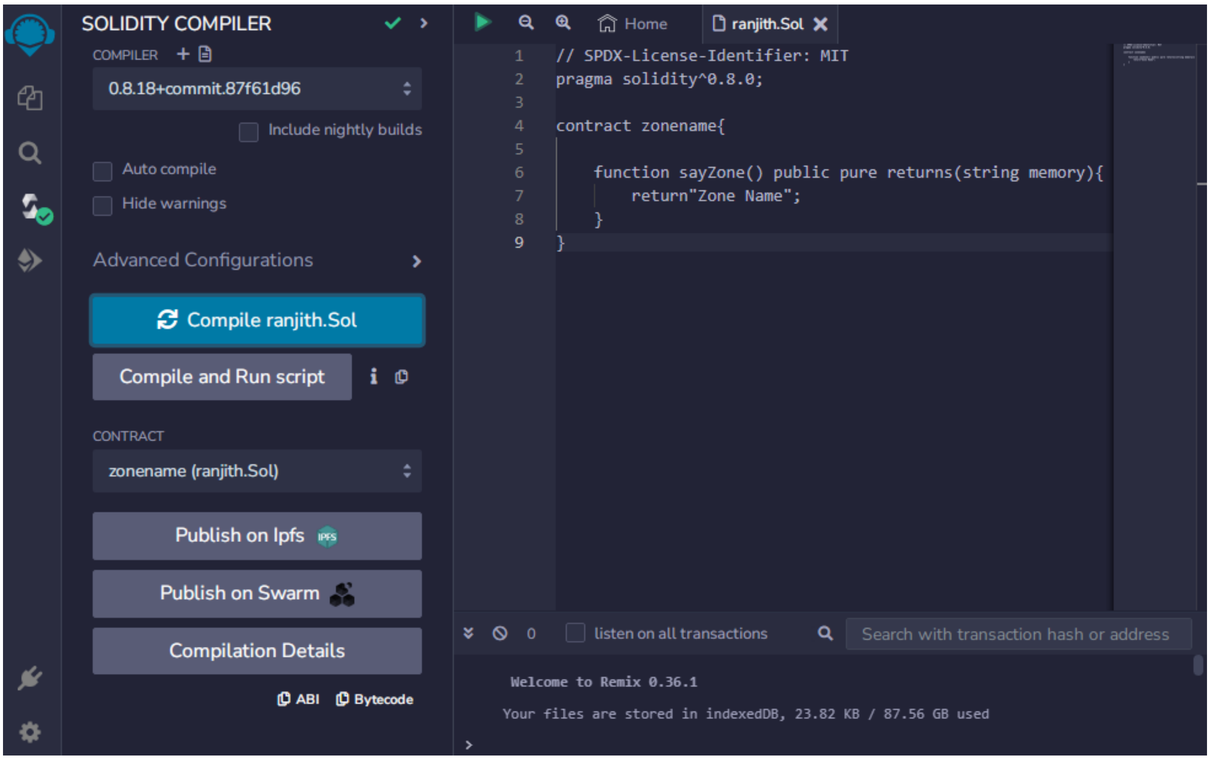
```
// SPDX-License-Identifier: MIT
pragma solidity^0.8.0;

contract zonename{

    function sayZone() public pure returns(string memory){
        return"Zone Name";
    }
}
```

```
Type the library name to see available commands.
```

STEP4: Compilation



COMPILER: 0.8.18+commit.87f61d96

□ Auto compile

□ Hide warnings

CONTRACT: zonename (ranjith.Sol)

```
// SPDX-License-Identifier: MIT
pragma solidity^0.8.0;

contract zonename{

    function sayZone() public pure returns(string memory){
        return"Zone Name";
    }
}
```

```
Welcome to Remix 0.36.1

Your files are stored in indexedDB, 23.82 KB / 87.56 GB used
```

No error has occurred, so we can proceed.

Get the ABI and BYTECODE

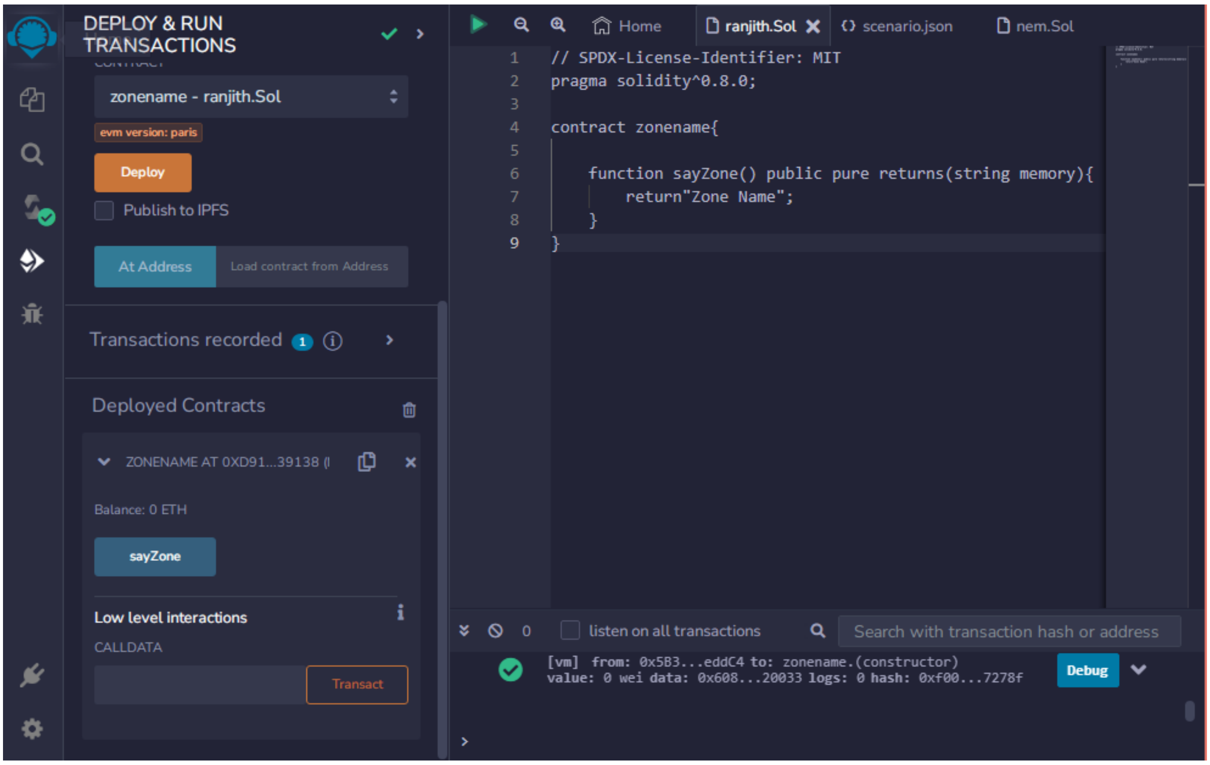
ABI:

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

BYTECODE:

```
608060405234801561001057600080fd5b506101738061002060003960000f3fe6080604052348015610010576
00080fd5b5060043610610002b5760003560e01c806302020201261461003057 5b600080fd5b61003861004e565
b60405161004591906101 1b565b60405180910390f35b6060604051806040016040528060098152602 0017f5
a6f6e65204e616d650000000000000000000000000000000000000000000000815250905090565b600081519
0509190505 65b600082825260208201905092915050565b60005b838110156100c55780820151818401526020
810190506100aa565b60008484015250505050565b6000601f19601f8301169050919050565b60006100ed8
261008b565b6100f78185610096565b93506101078185602086016100a7565b61011081610 0d1565b8401915
0509291505050565b600060208201905081810360008301526101358184610 0e2565b905092915050 56fea2646
970667358221220 9dd63366c7b4ebcf59dd66c402446e3332d282b96eb69f492cbacc9fc22ce4f664736f6c634
30008120033
```

STEP5: Deployment



```
// SPDX-License-Identifier: MIT
pragma solidity^0.8.0;

contract zonename{

    function sayZone() public pure returns(string memory){
        return"Zone Name";
    }
}
```

```
[vm] from: 0x5B3...eddC4 to: zonename.(constructor)
value: 0 wei data: 0x608...20033 logs: 0 hash: 0xf00...7278f
```