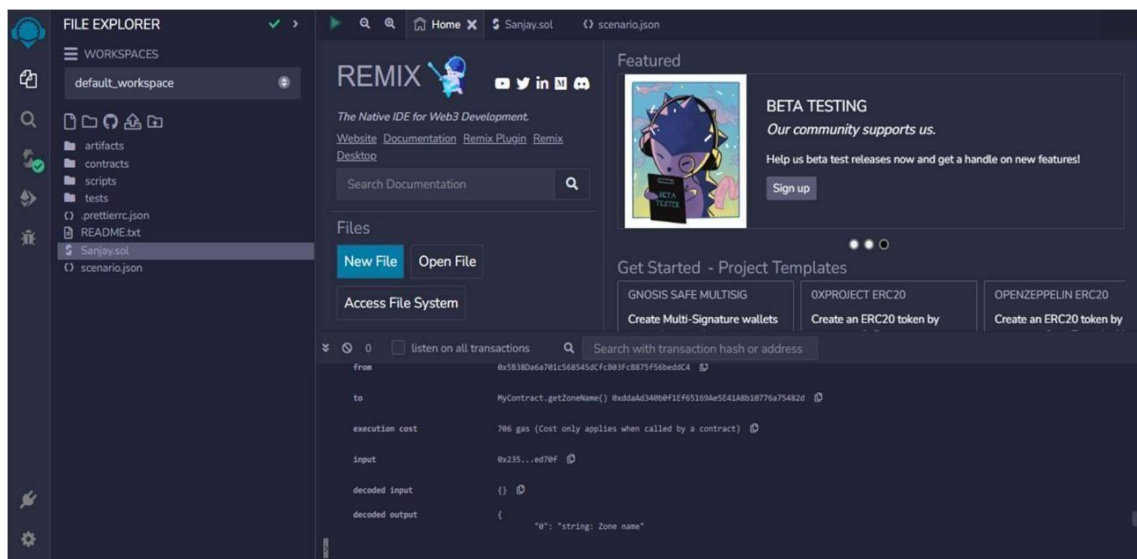


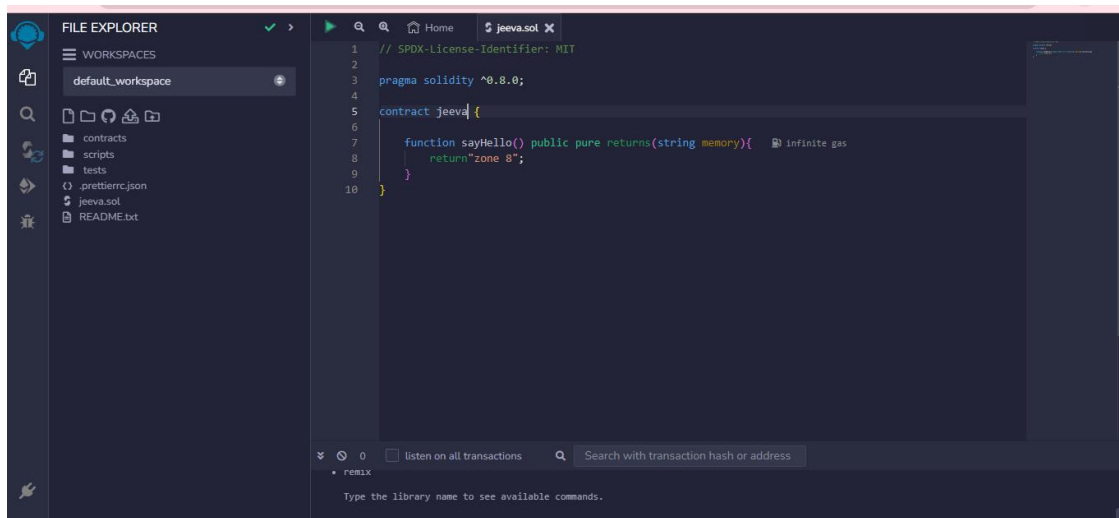
# ASSIGNMENT -1

NAME	JEEVA A
ZONE	8
COLLEGE	GANESH COLLEGE OF ENGINEERING
TEAM ID	NM2023TMID00984

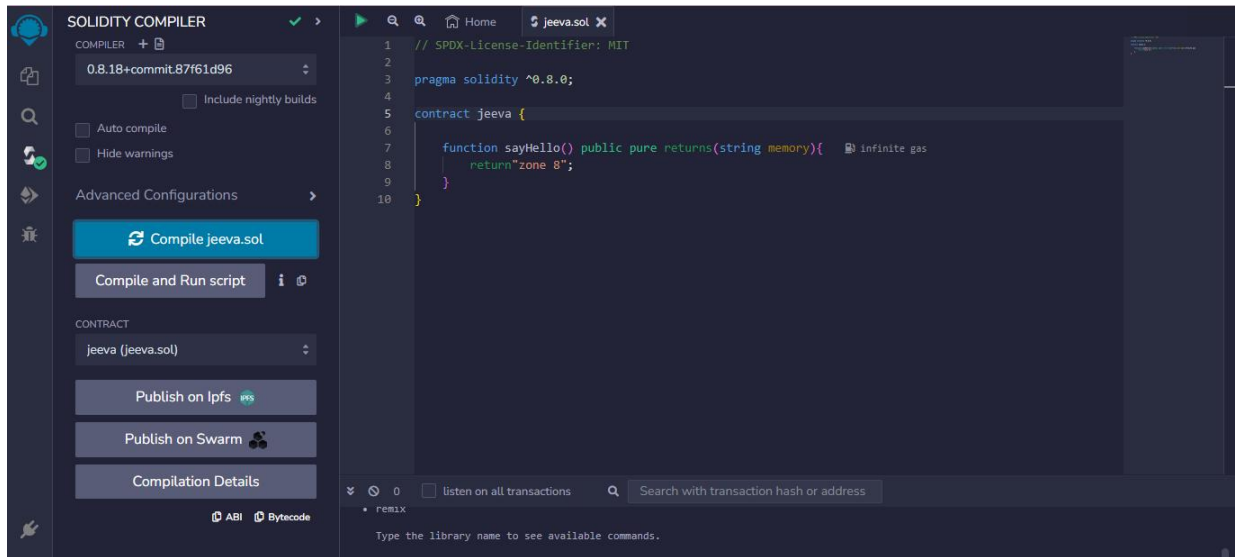
1. Go to the chrome and open remix platform



2. Open the remix page and create a new file



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



PROGRAM:

```
// SPDX-License-Identifier: MIT
pragma solidity ^0.8.0;
contract jeeva{
    function getZoneName() public pure
    returns (string memory) {
        return "Zone name";
    }
}
```

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

ABI:

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

BYTECODE:

```
608060405234801561001057600080fd5b50610173806100206000396000f3fe608
060405234801561001057600080fd5b506004361061002b5760003560e01c8063ef
5fb05b14610030575b600080fd5b61003861004e565b604051610045919061011b5
65b60405180910390f35b60606040518060400160405280600681526020017f7a6f
6e6520380000000000000000000000000000000000000000000000000000000815250
905090565b600081519050919050565b600082825260208201905092915050565b
60005b838110156100c55780820151818401526020810190506100aa565b600084
84015250505050565b6000601f19601f8301169050919050565b60006100ed82610
08b565b6100f78185610096565b93506101078185602086016100a7565b61011081
6100d1565b840191505092915050565b6000602082019050818103600083015261
013581846100e2565b90509291505056fea2646970667358221220b63521720799f
23fb2df1360140c298c80e7d2f0828d4f569c1ea5b60e77bfc164736f6c63430008120
033
```

## 5. Finally Deploy it to display the output

The screenshot displays the Remix IDE interface, which is used for developing, deploying, and interacting with smart contracts on the Ethereum blockchain.

**Left Panel (Deploy & Run Transactions):**

- CONTRACT:** Shows the contract name "jeeva - jeeva.sol" and the compiler version "solc version: paris". The "Deploy" button is highlighted.
- Deployed Contracts:** Lists the deployed contract "JEEVA AT 0XD91...39138 (MEMO)". It shows the contract's balance as "0 ETH" and the function "sayHello" with its input "0: string: zone 8".
- Low level interactions:** Shows the "CALLDATA" field.

**Right Panel (Code Editor):**

```
1 // SPDX-License-Identifier: MIT
2
3 pragma solidity ^0.8.0;
4
5 contract jeeva {
6
7     function sayHello() public pure returns(string memory){ @ Infinite gas
8         return "zone 8";
9     }
10 }
```

**Bottom Panel (Transaction Log):**

- Transaction:** Shows a transaction from "0x58380a6a701c568545dcfc883fc8875f56beddc4" to "jeeva.sayHello()" with data "0xef5...fb85b".
- Execution Cost:** Shows "715 gas (Cost only applies when called by a contract)".
- Decoded Input:** Shows "[]".
- Decoded Output:** Shows "[]".
- Logs:** Shows "[]".