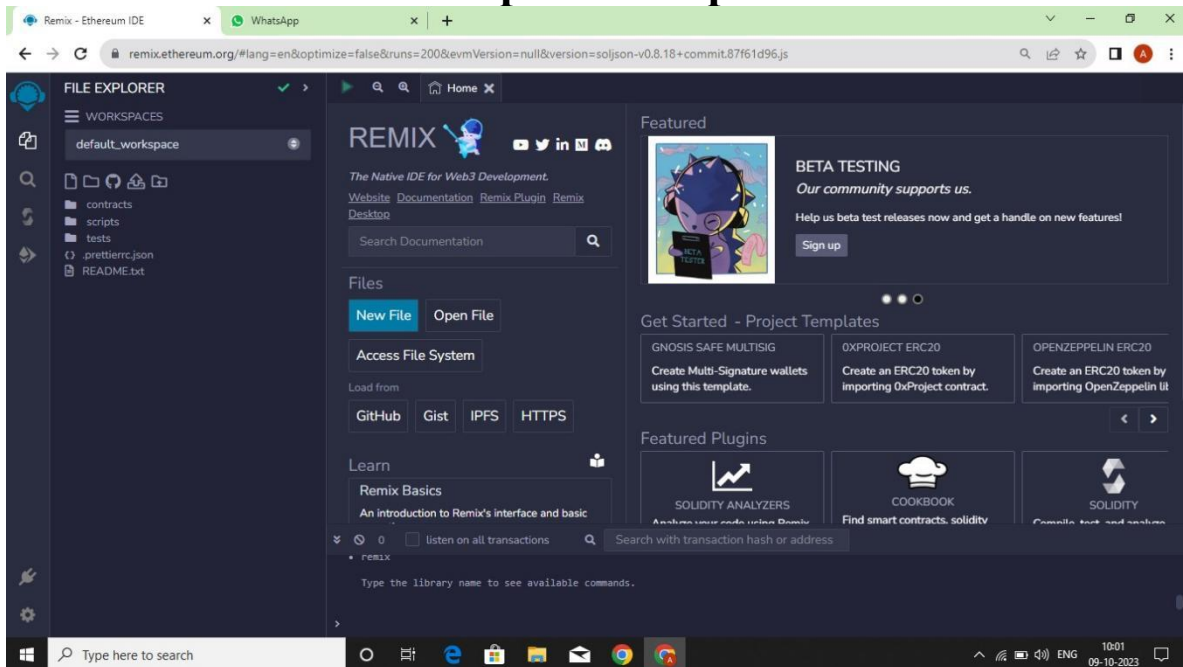


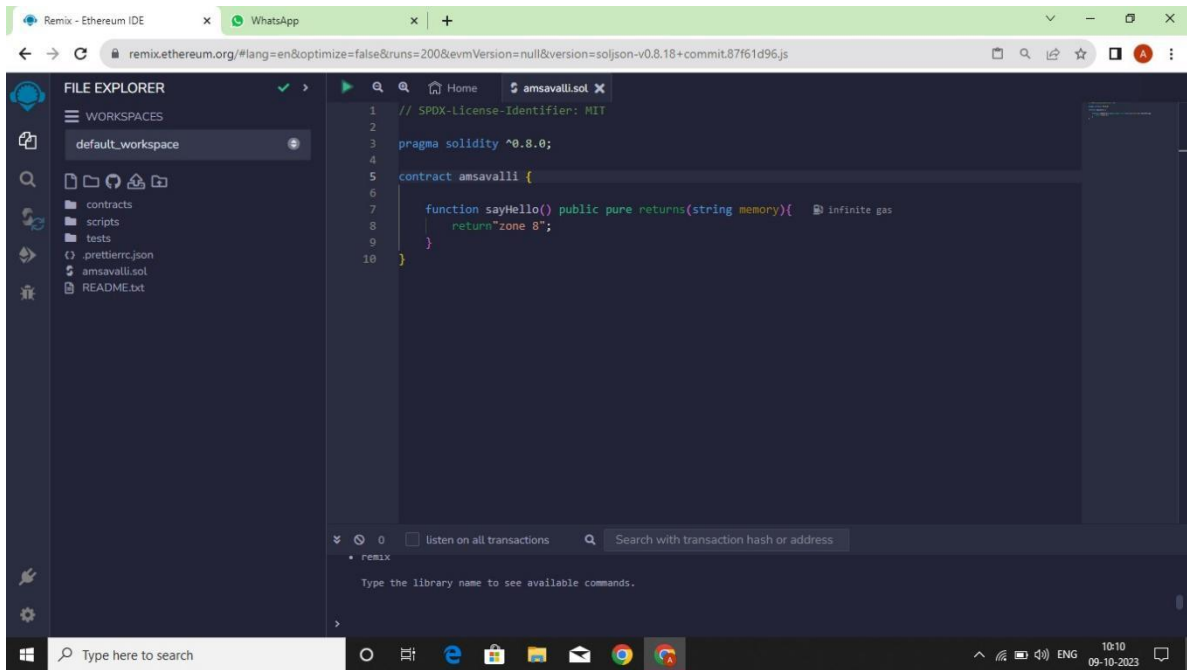
# ASSIGNMENT-1

NAME	Amsavalli.S
ZONE	8
COLLEGE	GANESH COLLEGE OF ENGINEERING
TEAM ID	NM2023TMID00959

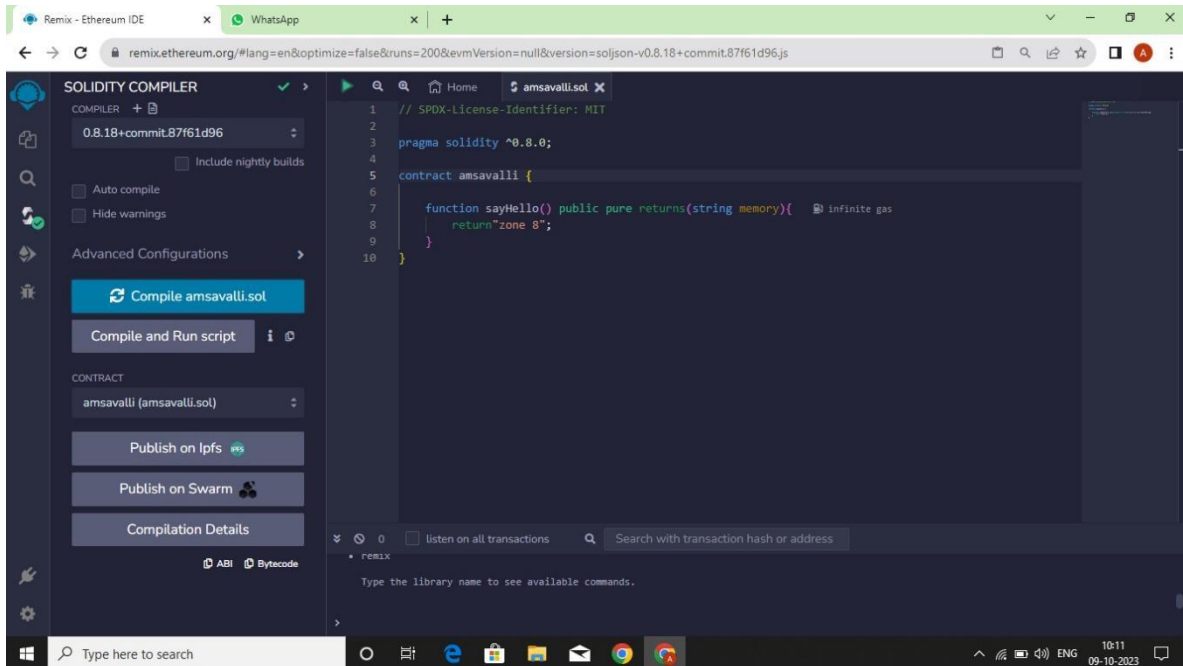
## 1. Go to the chrome and open remix platform



## 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 amsavalli{
    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:**

```
608060405234801561001057600080fd5b50610173806100206000396000f3f
e608060405234801561001057600080fd5b506004361061002b5760003560e
01c8063ef5fb05b14610030575b600080fd5b61003861004e565b6040516100
45919061011b565b60405180910390f35b6060604051806040016040528060
0681526020017f7a6f6e6520380000000000000000000000000000000000
000000000000000815250905090565b600081519050919050565b600082825
260208201905092915050565b60005b838110156100c557808201518184015
26020810190506100aa565b60008484015250505050565b6000601f19601f83
01169050919050565b60006100ed8261008b565b6100f78185610096565b93
506101078185602086016100a7565b610110816100d1565b84019150509291
5050565b6000602082019050818103600083015261013581846100e2565b90
509291505056fea26469706673582212208dde0857bb874438496115f3c79da
b8f41b939c6982b804b9c14c7632f7ccf3e64736f6c63430008120033
```

## 5. Finally Deploy it to display the output

The screenshot displays the Remix Ethereum IDE interface. The top bar shows the browser address: `remix.ethereum.org/#lang=en&optimize=false&runs=200&evmVersion=null&version=soljson-v0.8.18+commit.87f61d96.js`. The left sidebar contains the 'DEPLOY & RUN TRANSACTIONS' panel, which shows the contract 'amsavalli - amsavalli.sol' and a 'Deploy' button. Below this, the 'Deployed Contracts' section shows the contract deployed at address '0xD91...39138' with a 'sayHello' button. The 'Low level interactions' section shows the call data for the 'sayHello' function.

The main editor displays the Solidity code for the 'amsavalli' contract:

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

The bottom panel shows the transaction details for the 'sayHello' function call. The transaction was executed from address '0x5838D6a701c568545dcf803fc8875f56beddca' to the contract address '0xD9145CCE520386F254917e481a84e9943f39138'. The execution cost was 715 gas. The input was '0x0f5...fb85b'. The decoded output is '0: "string: zone 8"'. The logs are empty.