ASSIGNMENT-1

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ZONE	8
COLLEGE	GANESH COLLEGE OF ENGINEERING
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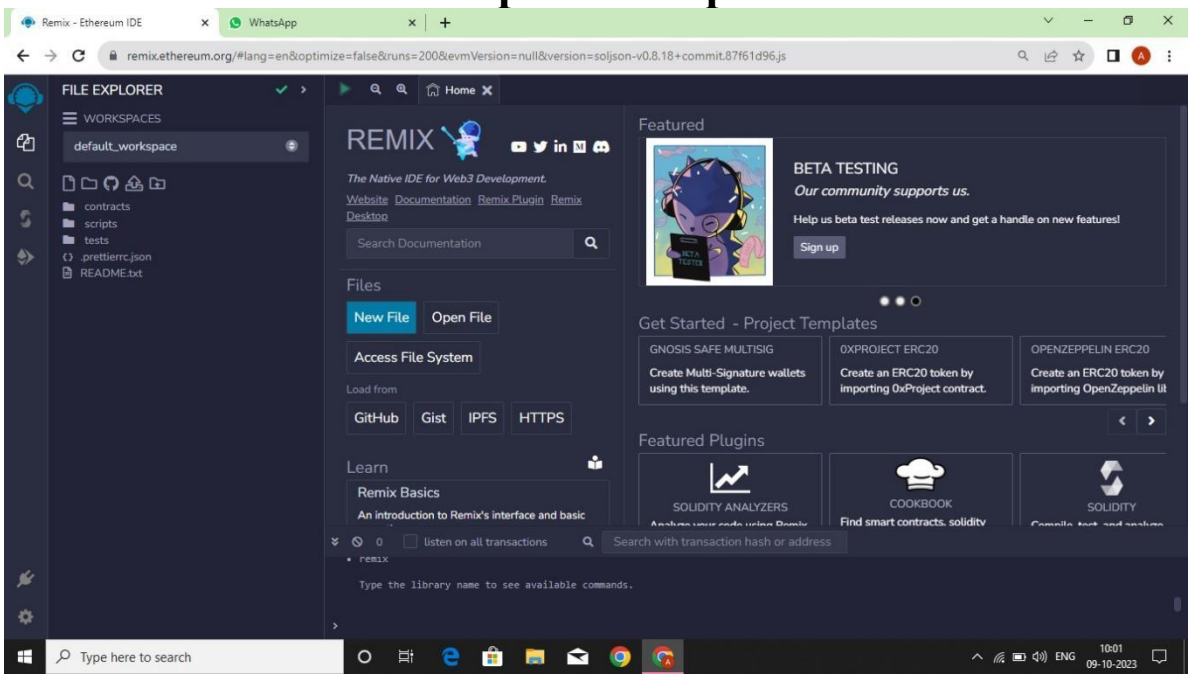
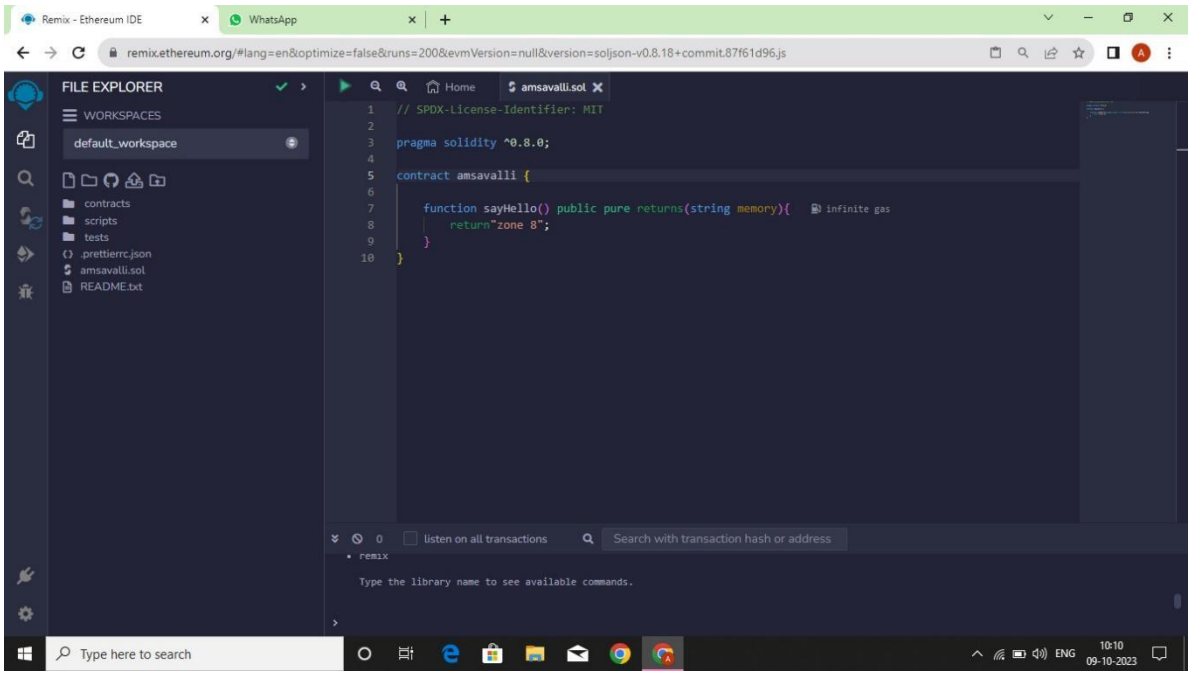
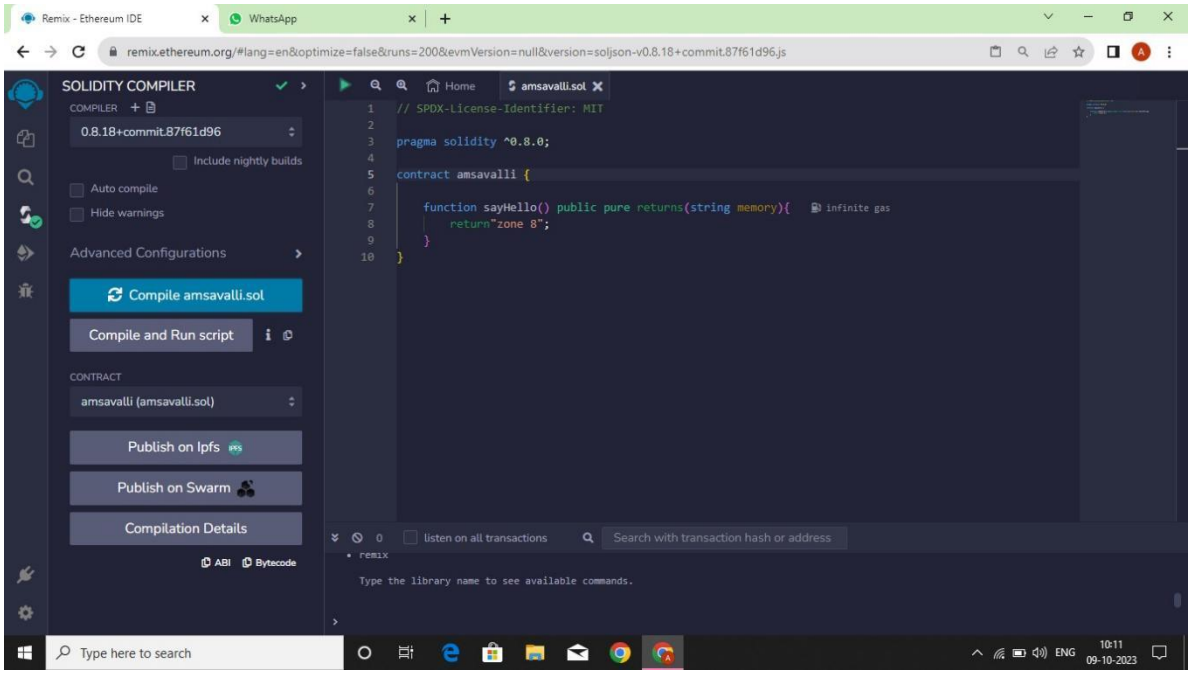
1. Go to the chrome and open remix platform



2. Open the remix page and create a new file


Remix - Ethereum IDE
WhatsApp
remix.ethereum.org/#lang=en&optimize=false&runs=200&evmVersion=null&version=soljson-v0.8.18+commit.87f61d96.js
FILE EXPLORER
WORKSPACES
default_workspace
contracts
scripts
tests
.prettierrc.json
amsavalli.sol
README.txt
Home
amsavalli.sol
// SPDX-License-Identifier: MIT
pragma solidity ^0.8.0;
contract amsavalli {
function sayHello() public pure returns(string memory){
infinite gas
return"zone 8";
}
}
listen on all transactions
Search with transaction hash or address
remix
Type the library name to see available commands.
Type here to search
ENG
10:10
09-10-2023

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



PROGRAM:

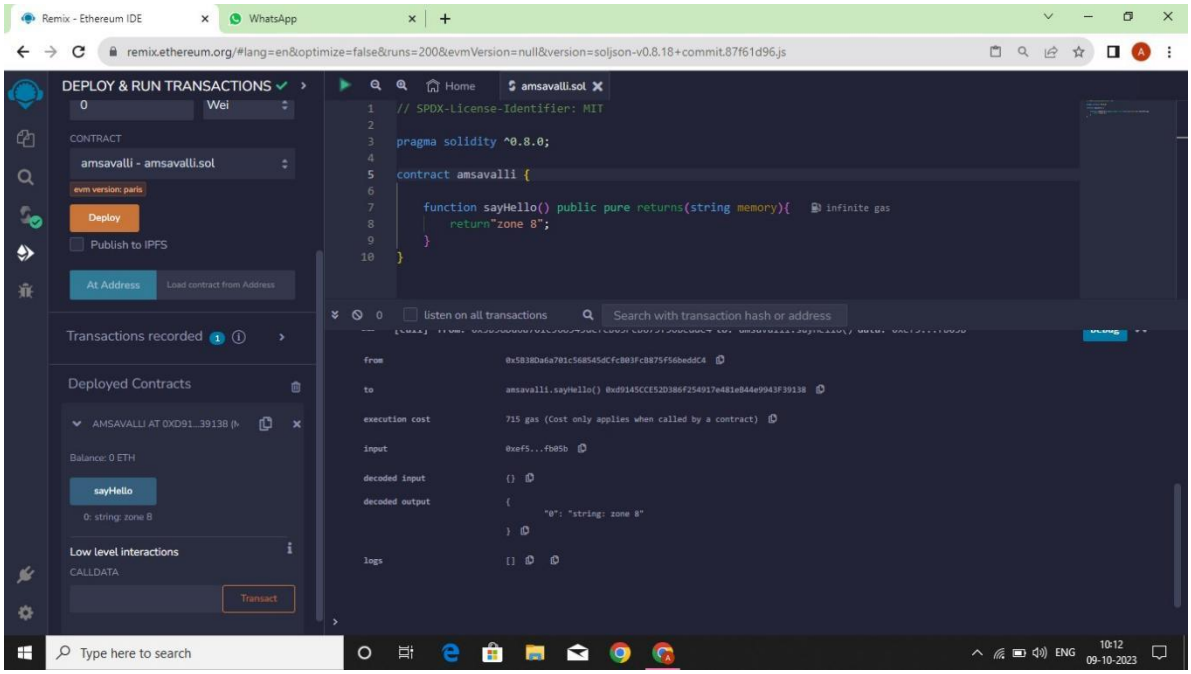
```
// SPDX-License-Identifier: MIT
pragma solidity ^0.8.0;
contract amsavalli{
    function getZoneName() public pure
    returns (string memory) {
        return "Zone name";
    }
}
```

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

ABI:


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


BYTECODE:


```
608060405234801561001057600080fd5b506101738061002060003960000f3f
e608060405234801561001057600080fd5b506004361061002b5760003560e
01c8063ef5fb05b14610030575b600080fd5b61003861004e565b6040516100
45919061011b565b60405180910390f35b606060405180604001604052806060
0681526020017f7a6f6e652038000000000000000000000000000000000000000
0000000000000000815250905090565b60008151905091905056 5b600082825
260208201905092915050565b60005b838110156100c557808201518184015
2602081019050610 0aa565b60008484015250505050565b6000601f19601f83
011690509190505 65b60006100ed8261008b565b6100f78185610096565b93
50610107818560208601610 0a7565b610110816100d1565b840191505092915
050565b60006020820190508181036000830152610135818461 00e2565b90
509291505056fea2646970667358221208dde0857bb874438496115f3c79da
b8f41b939c6982b804b9c14c7632f7ccf3e64736f6c63430008120033
```

5. Finally Deploy it to display the output