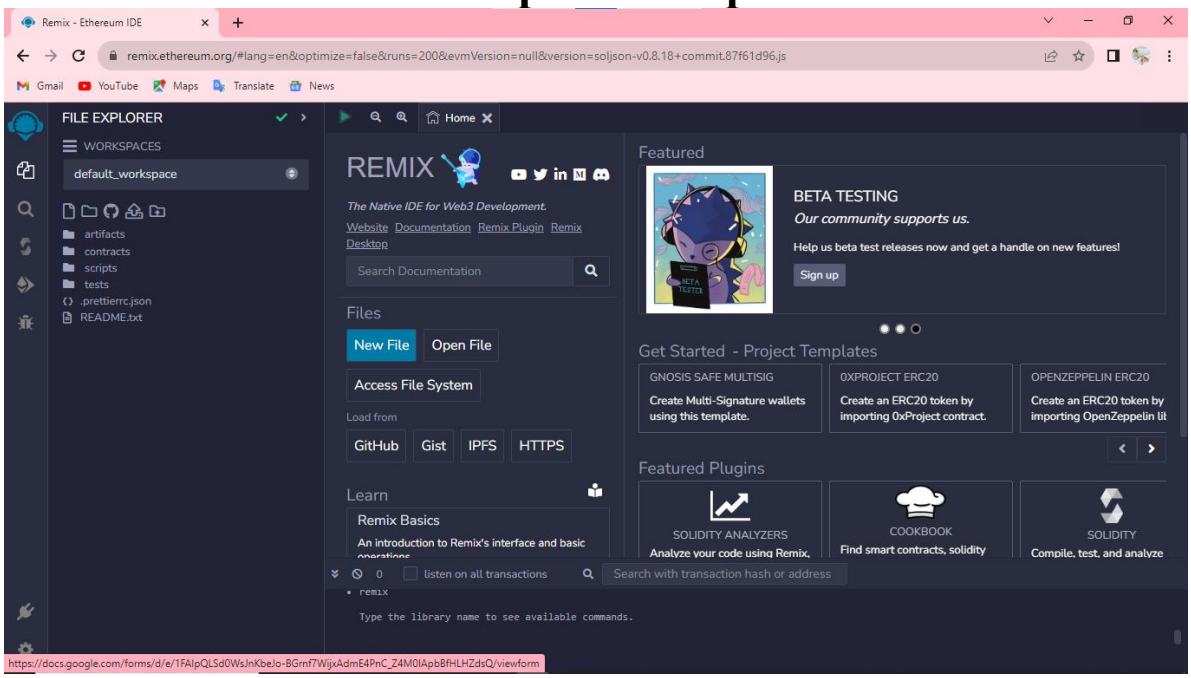
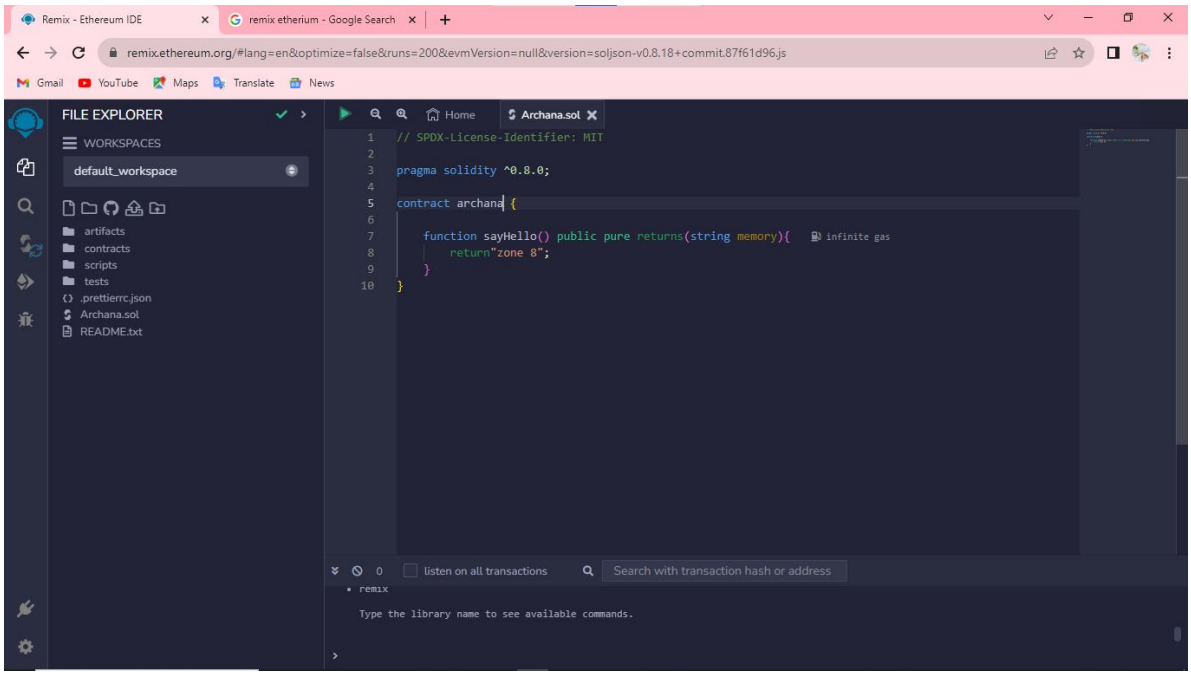
# ASSIGNMENT-1

| | |
|---|---|
| **NAME** | Archana.v |
| **ZONE** | 8 |
| **COLLEGE** | GANESH COLLEGE OF ENGINEERING |
| **TAEM ID** | NM2023TMID00452 |

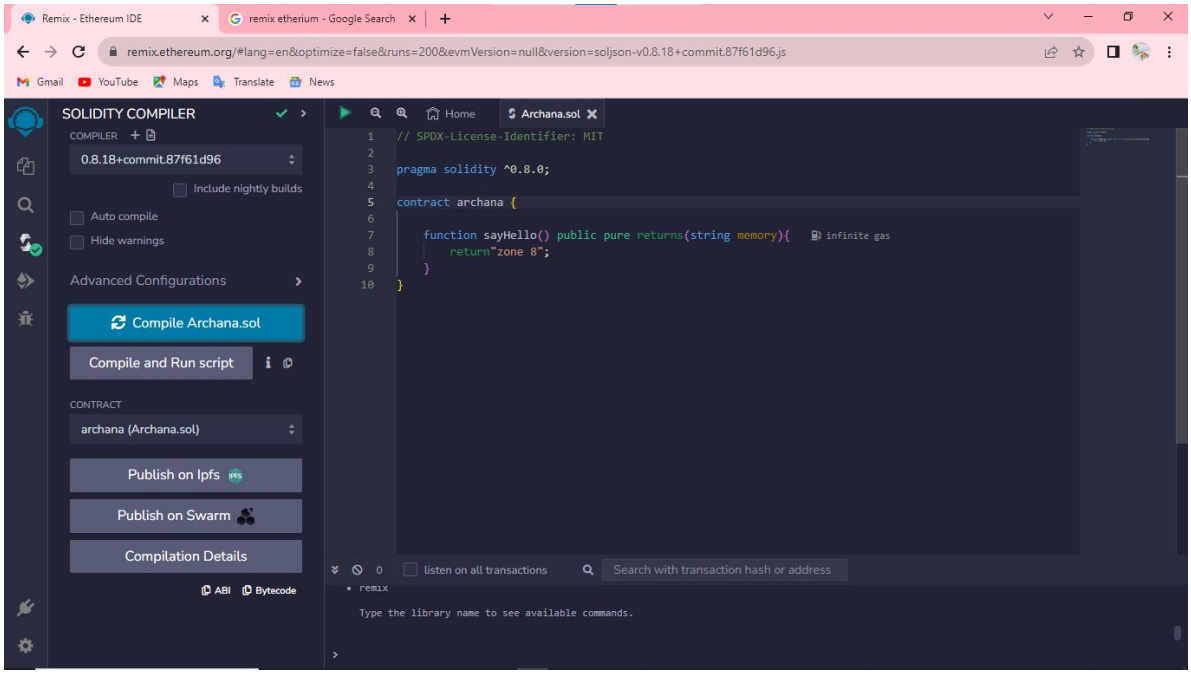
## 1. Go to the chrome and open remix platform




## 2. Open the remix page and create a new file


Remix - Ethereum IDE
remix etherium - Google Search
remix.ethereum.org/#lang=en&optimize=false&runs=200&evmVersion=null&version=soljson-v0.8.18+commit.87f61d96.js
Gmail
YouTube
Maps
Translate
News
FILE EXPLORER
WORKSPACES
default_workspace
artifacts
contracts
scripts
tests
.prettierrc.json
Archana.sol
README.txt
Home
Archana.sol
// SPDX-License-Identifier: MIT
pragma solidity ^0.8.0;
contract archana {
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.

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




PROGRAM:

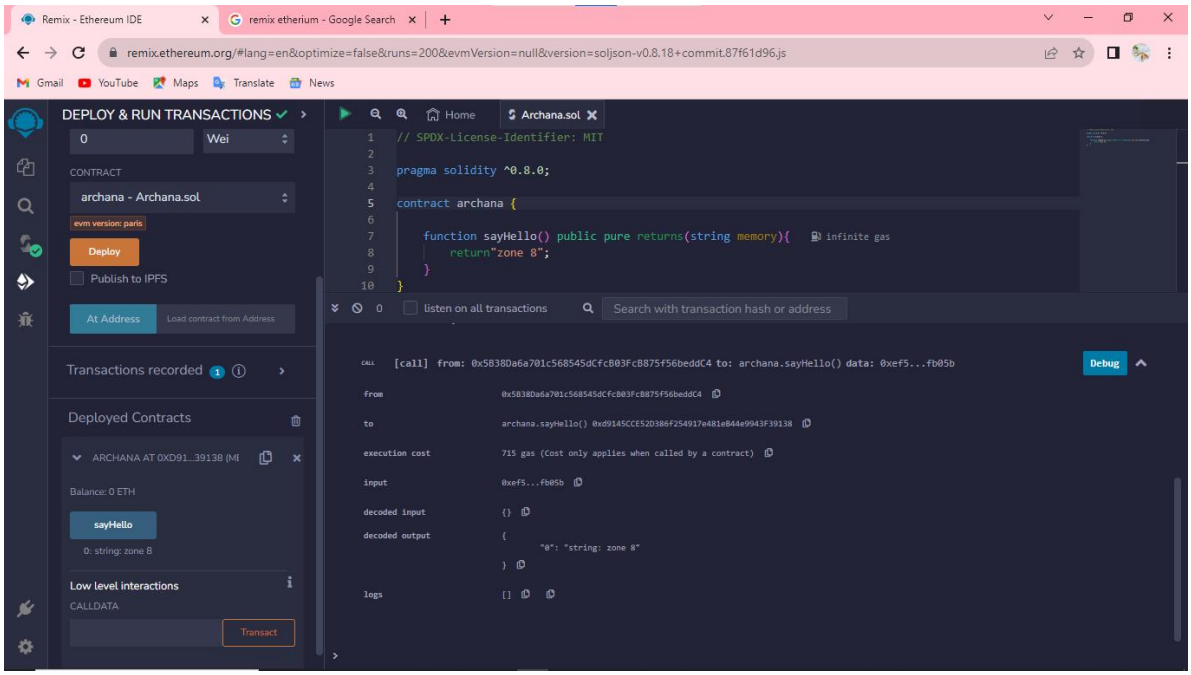
```
// SPDX-License-Identifier: MIT
pragma solidity ^0.8.0;
contract archana {
    function getZoneName() public pure
    returns (string memory) {
        return "Zone name";
    }
}
```

**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:**


```
6080604052348015610010576000080fd5b50610173806100206000
396000f3fe6080604052348015610010576000080fd5b50600436106
1002b5760003560e01c8063ef5fb05b14610030575b600080fd5b61
003861004e565b604051610045919061011b565b60405180910390f
35b606060405180604001604052806006815260200 17f7a6f6e6520
38000000000000000000000000000000000000000000000000000000
815250905090565b600081519050919050565b6000828252602082
01905092915050565b60005b838110156100c55780820151818401
526020810190506100aa565b600084840152505050505 65b600060
1f19601f8301169050919050565b60006100ed8261008b565b6100f
78185610096565b935061010781856020860 16100a7565b6101108
16100d1565b840191505092915050565b600060208201905081810
36000830152610135818 46100e2565b90509291505056fea2646970
667358221220102c99eaf7fc8d968a93785dd24f0f52f1ac219157449
e1d397ae6b798a2928264736f6c63430008120033
```

# 5. Finally Deploy it to display the output