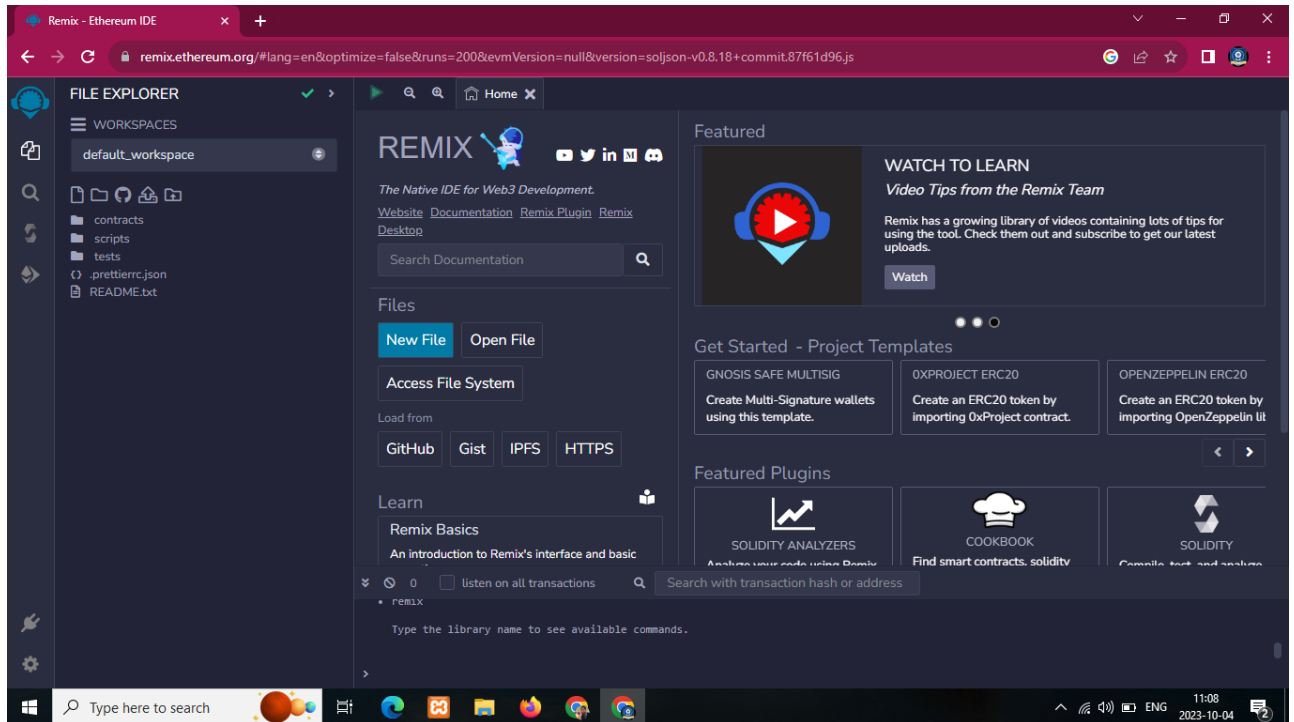


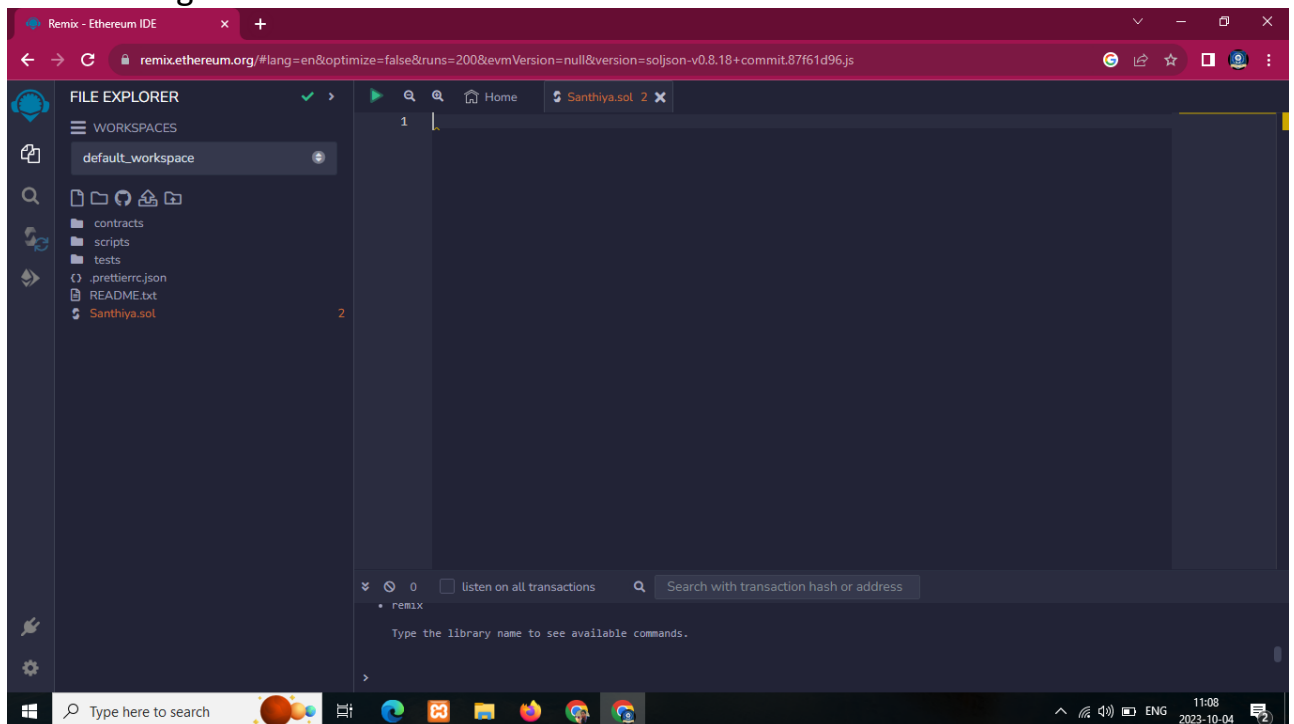
# Blockchain Technology

## Assignment 1

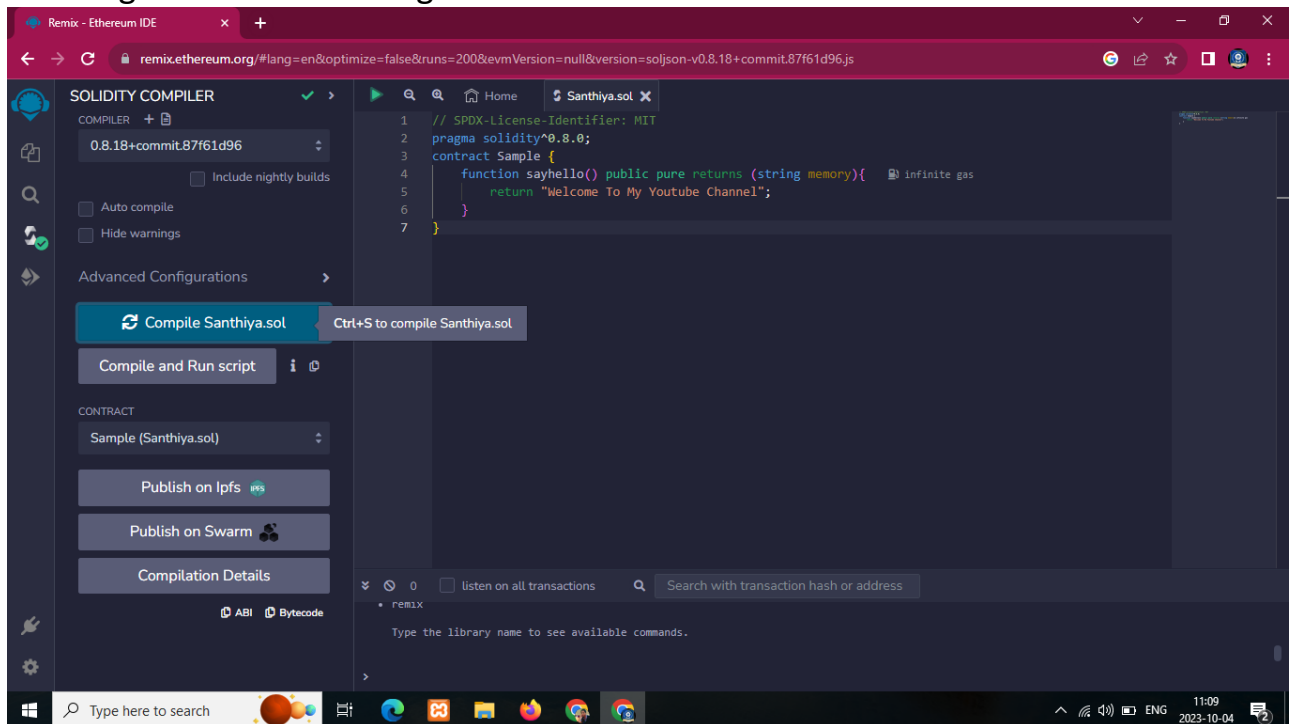
### 1. Open remix platform



### 2. Creating a new file



### 3. Program to return string



### 4. ABI :

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

Byte code :

608060405234801561001057600080fd5b50610173806100206000396000f  
3fe608060405234801561001057600080fd5b506004361061002b57600035  
60e01c8063f9095eb714610030575b600080fd5b61003861004e565b60405  
1610045919061011b565b60405180910390f35b6060604051806040016040  
5280600781526020017f7a6f6e652031300000000000000000000000000000  
0000000000000000000000000815250905090565b600081519050919050565  
b600082825260208201905092915050565b60005b838110156100c5578082  
0151818401526020810190506100aa565b60008484015250505050565b600  
0601f19601f8301169050919050565b60006100ed8261008b565b6100f7818  
5610096565b93506101078185602086016100a7565b610110816100d1565  
b840191505092915050565b6000602082019050818103600083015261013  
581846100e2565b90509291505056fea2646970667358221220e9da308c66  
94a0f2bb2cabbb3af83ddb2314805ebb7adaf3f20d81e3d1fb791264736f6c6  
3430008120033

## 5. Deploying :

The screenshot displays the Remix Ethereum IDE interface. The top panel shows the 'DEPLOY & RUN TRANSACTIONS' sidebar with a 'Sample - Santhiya.sol' contract selected. The main editor displays the Solidity code for 'Santhiya.sol', which includes a pragma statement for Solidity 0.8.0, a contract definition, and a 'sayhello' function that returns a string. The bottom panel shows the 'Transactions recorded' section, indicating that the contract 'Sample' has been successfully deployed. The 'Deployed Contracts' section shows the contract's address (0xD91...39138) and its balance (0 ETH). The 'Low level interactions' section shows a successful call to the 'sayhello' function, returning the string 'Welcome To My Youtube Channel'.