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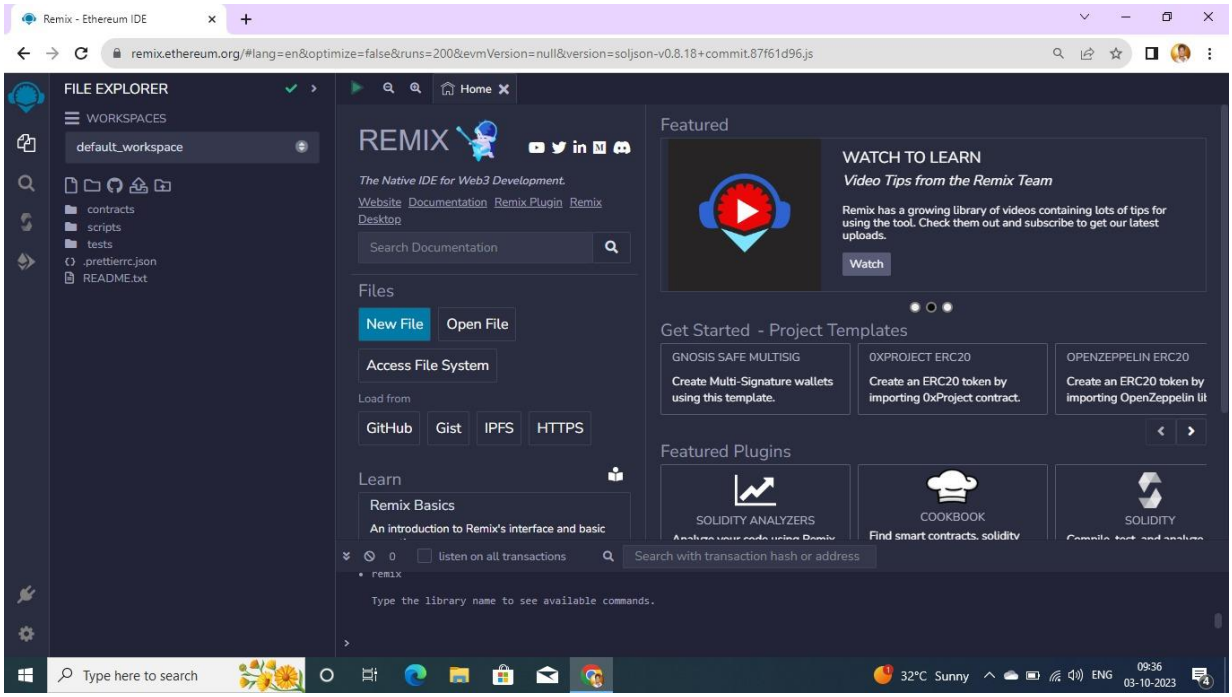
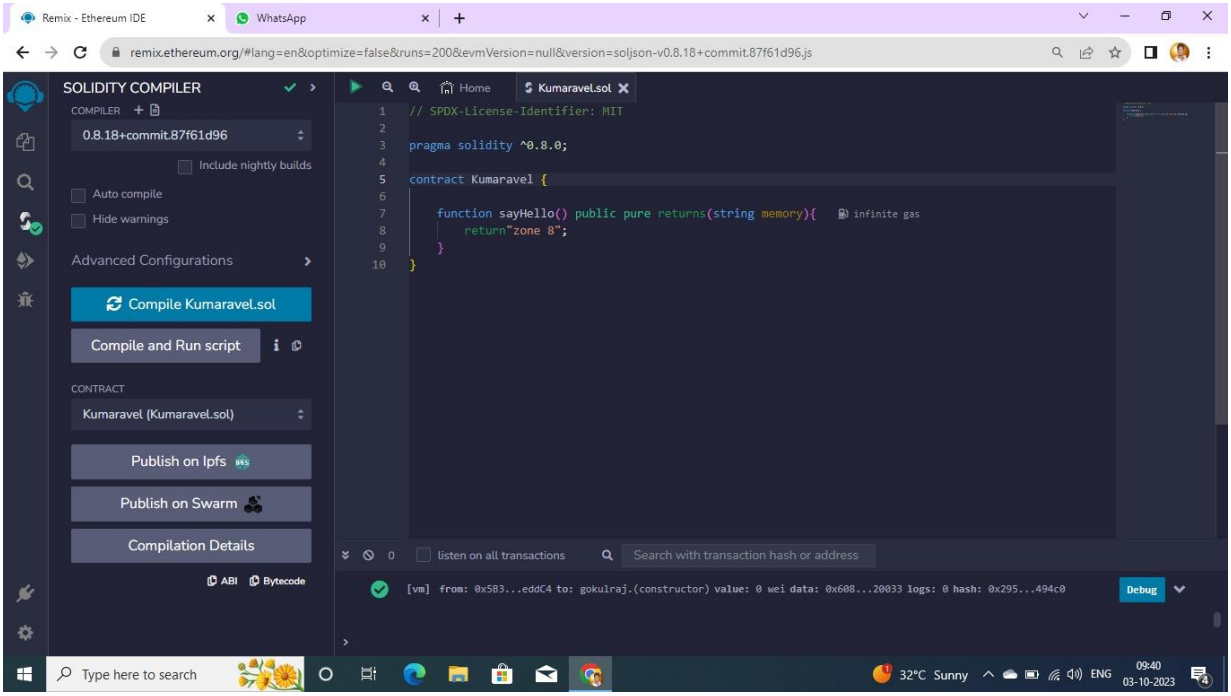
TEAM ID	NM2023TMID00434
COLLEGE NAME	Ganesh college of Engineering
PROJECT NAME	Ethereum Decentralised identity Smart Contract
NM ID	F9C24D2578B7C9B8CCE4A0751E9BF529

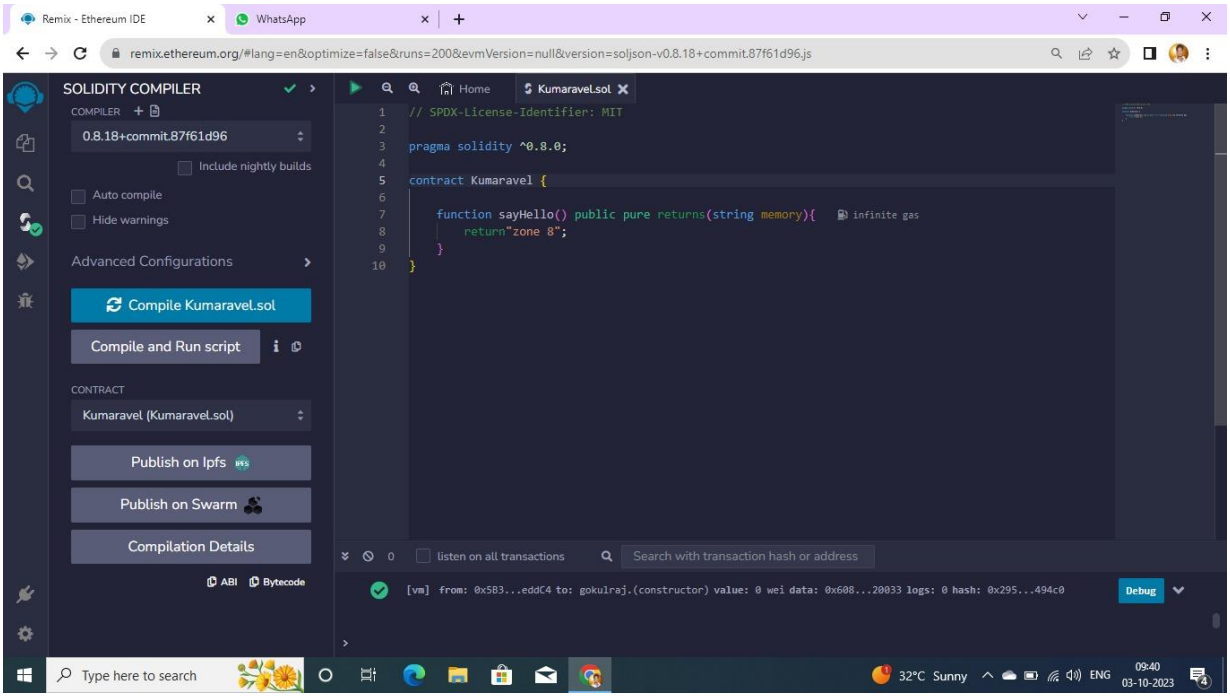
1.Go to the chrome and open remix platform



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"



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

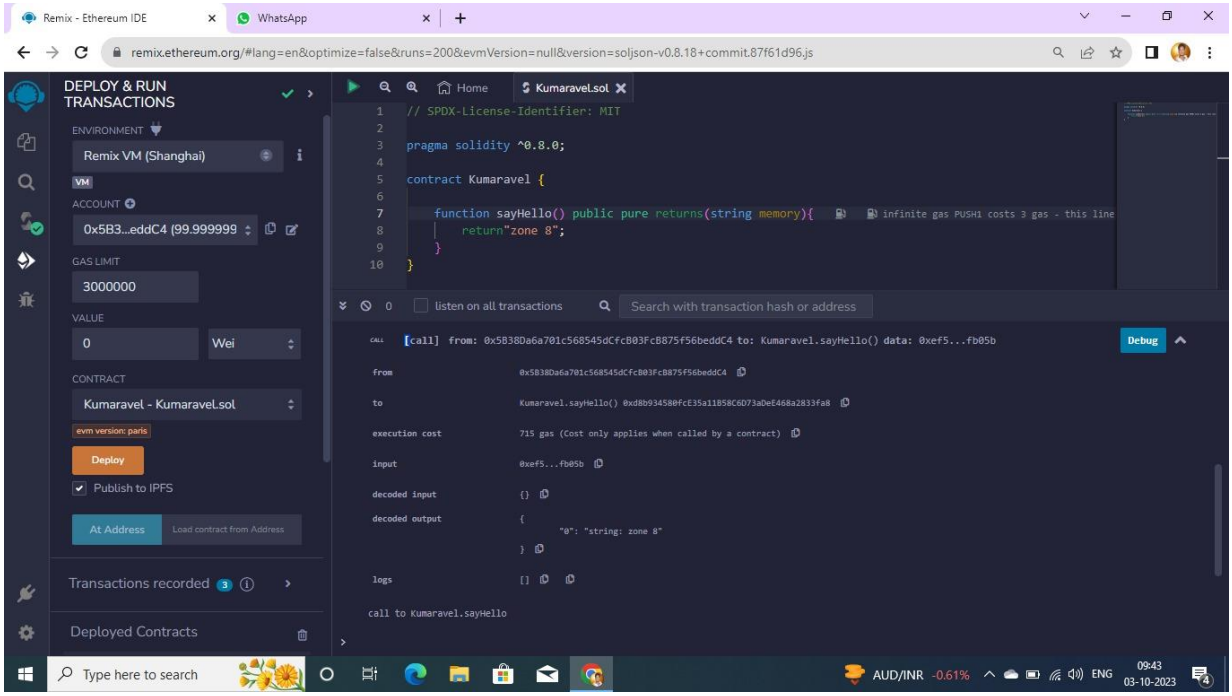
ABI:

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


Bytecode:


```
6080604052348015610010576000080fd5b5061017380610020600039600 0f3fe60806
0405234801561001057600080fd5b506004361061002b5760003560e01c8063ef5fb0
5b14610030575b600080fd5b61003861004e565b604051610045919061011b565b60
405180910390f35b606060405180604001604052806006815260200 17f7a6f6e65203
8000000000000000000000000000000000000000000000000000000815250905090565
b600081519050919050565b600082825260208201905092915050565b60005b83811
0156100c5578082015181840152602081019050 6100aa565b6000848401525050505
0565b6000601f19601f8301169050919050565b60006100ed8261008b565b6100f781
85610096565b935061010781856020860 16100a7565b610110816100d1565b840191
505092915050565b600060208201905081810360008301526101358184 6100e2565b
90509291505056fea26469706673582212205e0cb7a8223c51cc63a0d7887ee4d148
2d7619e4b13de63bca1a4259b7e9e6cc64736f6c63430008120033
```


5.Finally Deploy it to display the output


Remix - Ethereum IDE
WhatsApp
remix.ethereum.org/#lang=en&optimize=false&runs=200&evmVersion=null&version=soljson-v0.8.18+commit.87f61d96.js
DEPLOY & RUN TRANSACTIONS
ENVIRONMENT
Remix VM (Shanghai)
VM
ACCOUNT
0x5B3...eddC4 (99.999999
GAS LIMIT
3000000
VALUE
0
Wei
CONTRACT
Kumaravel - Kumaravel.sol
evm version: paris
Deploy
Publish to IPFS
At Address
Load contract from Address
Transactions recorded 3
Deployed Contracts
Home
Kumaravel.sol
// SPDX-License-Identifier: MIT
pragma solidity ^0.8.0;
contract Kumaravel {
function sayHello() public pure returns(string memory){
infinite gas PUSH1 costs 3 gas - this line
return"zone 8";
}
}
listen on all transactions
Search with transaction hash or address
[call] from: 0x5B38Da6a701c568545dCfcB03FcB875f56beddC4 to: Kumaravel.sayHello() data: 0xef5...fb05b
Debug
from 0x5B38Da6a701c568545dCfcB03FcB875f56beddC4
to Kumaravel.sayHello() 0xd8b934580fcE35a11B58C6D73aDeE468a2833fa8
execution cost 715 gas (Cost only applies when called by a contract)
input 0xef5...fb05b
decoded input {}
decoded output { "0": "string: zone 8" }
logs []
call to Kumaravel.sayHello
Type here to search
AUD/INR -0.61%
ENG
09:43
03-10-2023