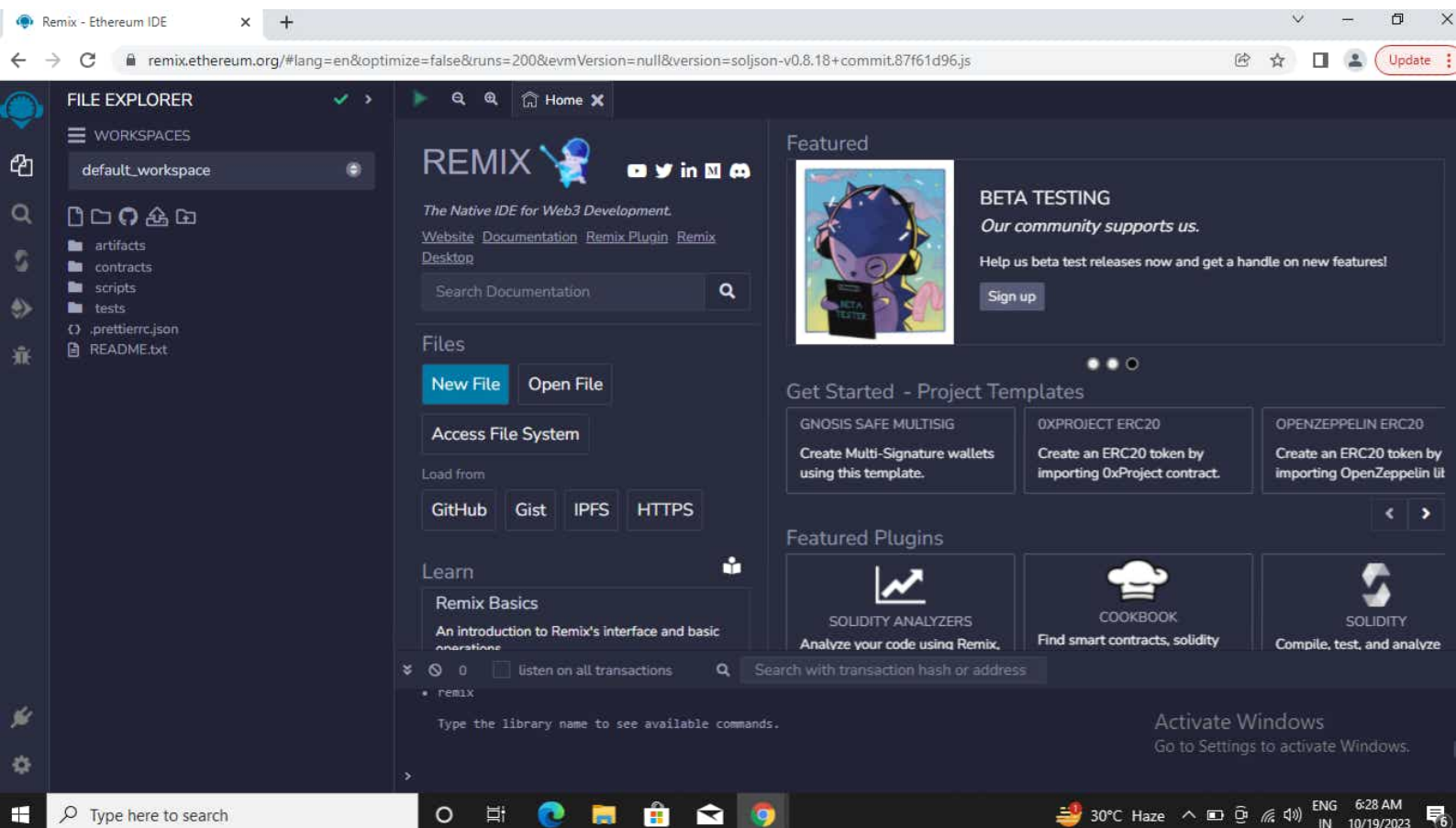
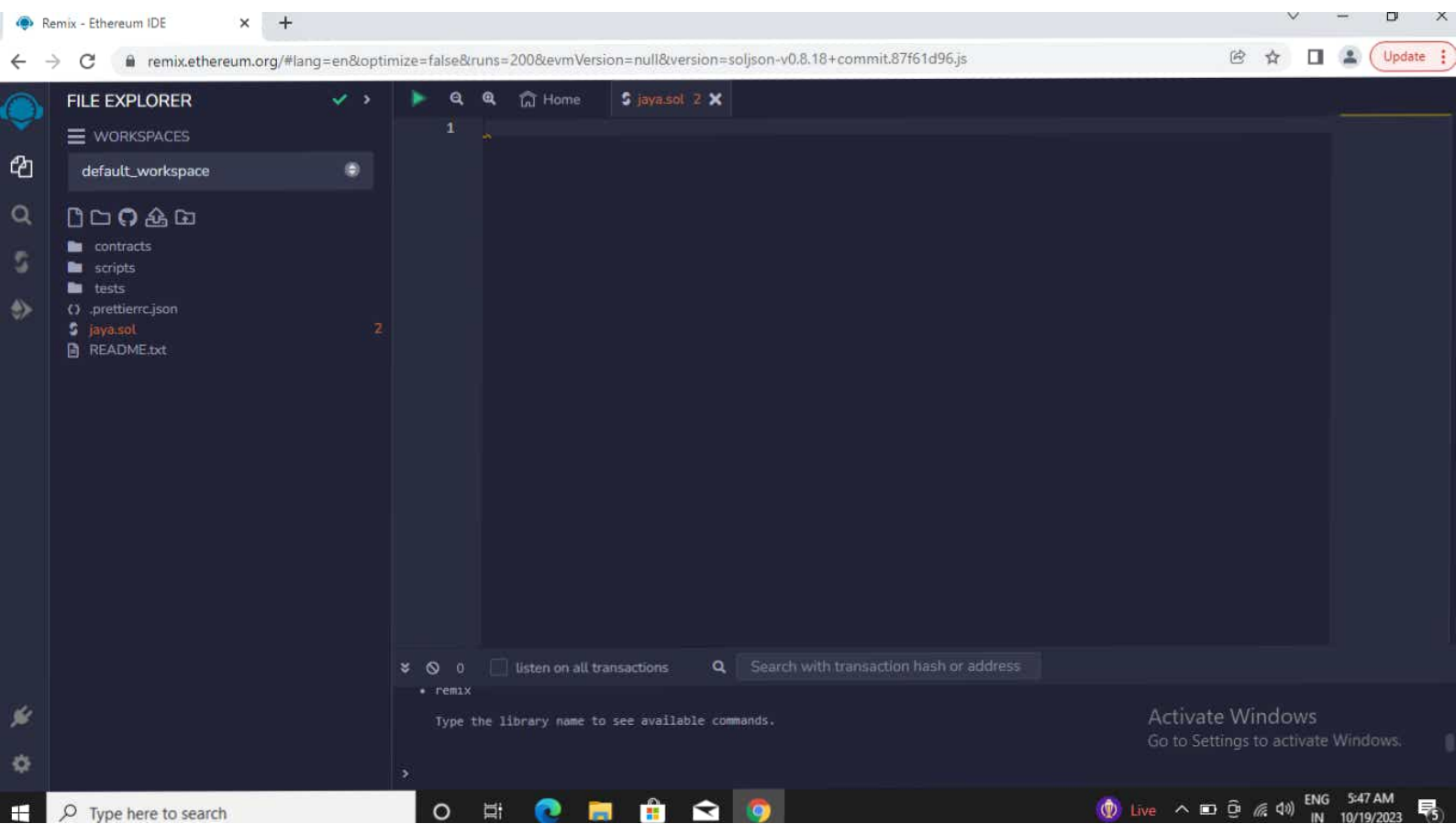


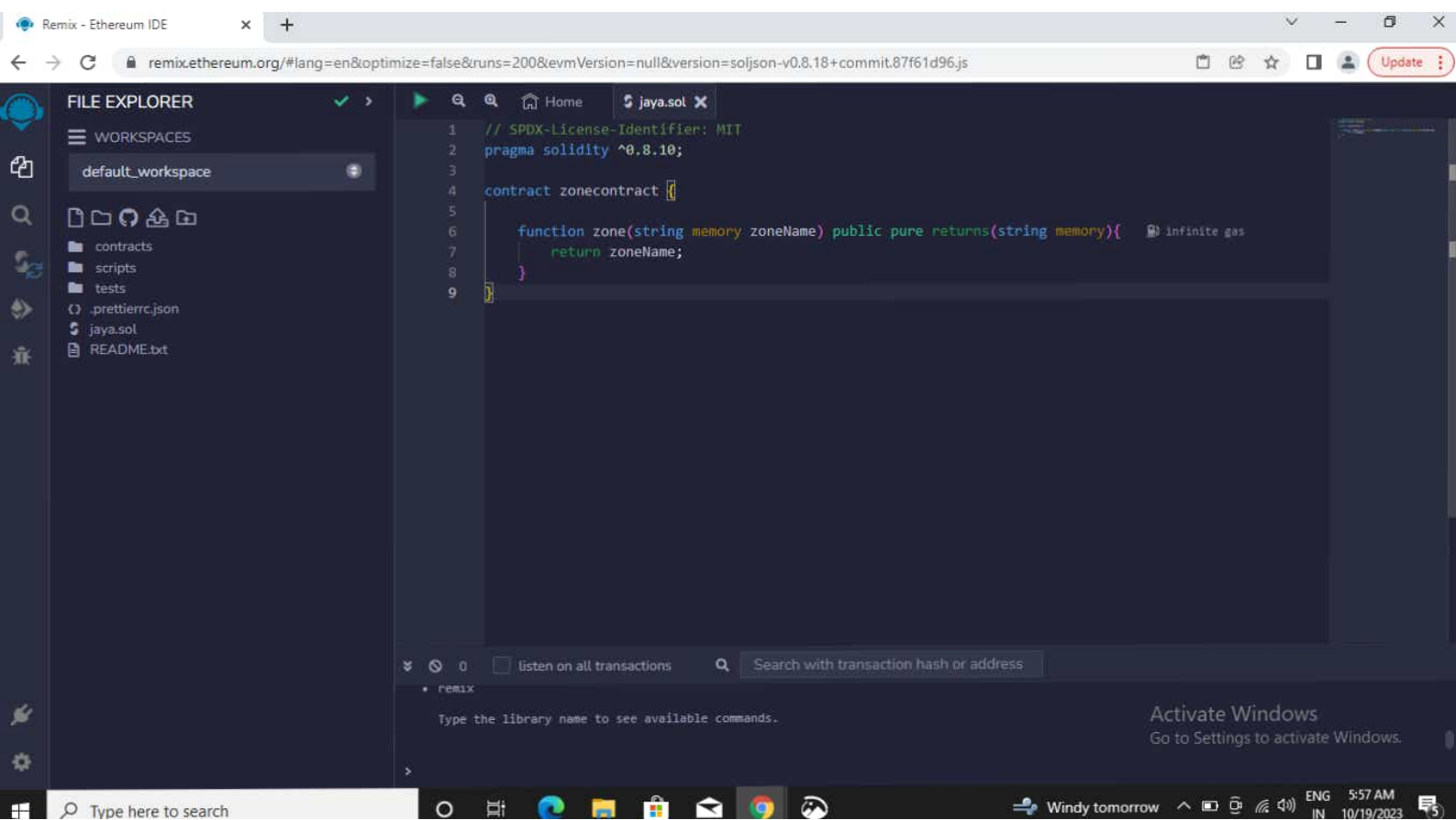
step1:Go to the chrome and open remix platform



step2:open the remix page and create a new file



step3:In that newly created file,create a program to return your string,"Zone name"



Remix - Ethereum IDE

remix.ethereum.org/#lang=en&optimize=false&runs=200&evmVersion=null&version=soljson-v0.8.18+commit.87f61d96.js

Update

SOLIDITY COMPILER

COMPILER +

0.8.18+commit.87f61d96

☐ Include nightly builds

☐ Auto compile

☐ Hide warnings

Advanced Configurations

Compile java.sol

Compile and Run script

CONTRACT

zonecontract (java.sol)

Publish on Ipfs

Publish on Swarm

Compilation Details

ABI Bytecode

Home java.sol

1 // SPDX-License-Identifier: MIT

2 pragma solidity ^0.8.18;

3

4 contract zonecontract {

5

6 function zone(string memory zoneName) public pure returns(string memory){ infinite gas

7 return zoneName;

8 }

9 }

0

☐ listen on all transactions

Search with transaction hash or address

remix

Type the library name to see available commands.

>

Activate Windows

Go to Settings to activate Windows.

Type here to search

31°C Partly cloudy

ENG IN

5:58 AM

10/19/2023

step4: Save the program and compile it to get the ABI and Bytecode

The screenshot displays the Remix Ethereum IDE interface. The top browser window shows the URL: `remix.ethereum.org/#lang=en&optimize=false&runs=200&evmVersion=null&version=soljson-v0.8.18+commit.87f61d96.js`. The left sidebar contains the 'SOLIDITY COMPILER' section with the version `0.8.18+commit.87f61d96` and options for 'Auto compile' and 'Hide warnings'. Below this are buttons for 'Compile java.sol', 'Compile and Run script', and 'Contract' management. The main editor area shows a Solidity contract named `zonecontract (java.sol)` with the following code:

```
1  {
2
3      "inputs": [
4          {
5              "internalType": "string",
6              "name": "zoneName",
7              "type": "string"
8          }
9      ],
10     "name": "zone",
11     "outputs": [
12         {
13             "internalType": "string",
14             "name": "",
15             "type": "string"
16         }
17     ],
18     "stateMutability": "pure",
19     "type": "function"
20 }
21 }
```

The bottom status bar shows the 'ABI' and 'Bytecode' tabs. The Windows taskbar at the bottom indicates the system time as 6:21 AM on 10/19/2023, with a temperature of 30°C and weather conditions of Haze.

Remix - Ethereum IDE

remix.ethereum.org/#lang=en&optimize=false&runs=200&evmVersion=null&version=soljson-v0.8.18+commit.87f61d96.js

### SOLIDITY COMPILER

COMPILER +

0.8.18+commit.87f61d96

☐ Include nightly builds

☐ Auto compile

☐ Hide warnings

Advanced Configurations

Compile java.sol

Compile and Run script

CONTRACT

zonecontract (java.sol)

Publish on Ipfs

Publish on Swarm

Compilation Details

ABI Bytecode

1 608060405234801561001057600080fd5b506102e4806100206000396000f3fe608060405234801561001057600080fd5b5061

listen on all transactions 60806040523480156100105760008...

remix

Type the library name to see available commands.

Activate Windows  
Go to Settings to activate Windows.

Type here to search

30°C Haze 6:23 AM 10/19/2023

step5:Finally Deploy it to display the output

The screenshot displays the Remix IDE interface in a web browser. The browser's address bar shows the URL: `remix.ethereum.org/#lang=en&optimize=false&runs=200&evmVersion=null&version=soljson-v0.8.18+commit.87f61d96.js`. The interface is divided into several panels:

- Left Panel (DEPLOY & RUN TRANSACTIONS):** Contains settings for the deployment environment. The environment is set to "Remix VM (Shanghai)". The account is "0x5B3...eddC4 (100 ether)". The gas limit is set to "3000000". The value is "0 Wei". The contract is "zonecontract - jaya.sol". There is a "Deploy" button and a checkbox for "Publish to IPFS".
- Top Panel:** Shows the transaction hash: `1 7066735822122020aeb021540d667baf39774c3a99d29d22a3a61249f342c468833658ed021a7f64736f6c63430008120033`.
- Bottom Panel:** Shows the command prompt with the text: "Type the library name to see available commands." and "remix".

The Windows taskbar at the bottom shows the system clock as 4:29 AM on 10/20/2023, with a temperature of 32°C and weather "Mostly sunny".

Remix - Ethereum IDE

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)

ACCOUNT  
0x5B3...eddC4 (99.999999%)

GAS LIMIT  
3000000

VALUE  
0 Wei

CONTRACT  
evm version: paris

At Address Load contract from Address

Transactions recorded 2

☐ Run transactions using the latest compilation result

Save Run

Deployed Contracts

```
11      "inputs": "()",
12      "parameters": [],
13      "name": "",
14      "type": "constructor",
15      "abi": "0x1209c020124dbdbc2684ae763530e711729c2ca6006097411cf69545e398707",
16      "contractName": "zonecontract",
17      "bytecode": "608060405234801561001057600080fd5b506102e4806100206000396000f3fe60806040523480156",
18      "linkReferences": {},
19      "from": "account{0}"
20    }
21  },
22  {
23    "timestamp": 1697801419917,
24    "record": {
25      "value": "0",
26      "inputs": "()",
27      "parameters": [],
28      "name": "",
29      "type": "constructor",
30      "abi": "0x1209c020124dbdbc2684ae763530e711729c2ca6006097411cf69545e398707",
31      "contractName": "zonecontract",
32      "bytecode": "608060405234801561001057600080fd5b506102e4806100206000396000f3fe60806040523480156",
33      "linkReferences": {},
34      "from": "account{0}"
35    }
36  }
37 }
```

0 ☐ listen on all transactions Search with transaction hash or address

- Right click on a JavaScript file in the file explorer and then click 'Run'

The following libraries are accessible:

- web3 version 1.5.2
- ethers.js

Activate Windows  
Go to Settings to activate Windows.

32°C Mostly sunny 4:33 AM 10/20/2023



Remix - Ethereum IDE

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

evm version: paris

At Address Load contract from Address

Transactions recorded

☐ Run transactions using the latest compilation result

Save Run

Deployed Contracts

Home

jaya.sol 1 scenario.json

```
28 "name": ""
29 "type": "constructor",
30 "abi": "0x1209c020124dbdbcb2684ae763530e711729c2ca6006097411cf69545e398707",
31 "contractName": "zonecontract",
32 "bytecode": "608060405234801561001057600080fd5b506102e4806100206000396000f3fe60806040523480156
33 "linkReferences": {},
34 "from": "account{0}"
35 }
36 }
37 },
38 "abis": {
39 "0x1209c020124dbdbcb2684ae763530e711729c2ca6006097411cf69545e398707": [
40 {
41 "inputs": [
42 {
43 "internalType": "string",
44 "name": "zoneName",
45 "type": "string"
46 }
47 ],
48 "name": "zone",
49 "outputs": [
50 {
51 "internalType": "string",
52 "name": "",
53 "type": "string"
54 }
55 ]
56 }
```

0

☐ Listen on all transactions

Search with transaction hash or address

The following libraries are accessible:

- web3 version 1.5.2
- ethers 4c

Activate Windows  
Go to Settings to activate Windows.

Type here to search

32°C Mostly sunny

ENG IN

4:35 AM 10/20/2023

Remix - Ethereum IDE

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)

ACCOUNT

0x5B3...eddC4 (99.999999%)

GAS LIMIT

3000000

VALUE

0

Wei

CONTRACT

evm version: paris

At Address

Load contract from Address

Transactions recorded 2

☐ Run transactions using the latest compilation result

Save

Run

Deployed Contracts

Home

java.sol 1

scenario.json

```
45         "type": "string"
46     }
47 },
48     "name": "zone",
49     "outputs": [
50     {
51         "internalType": "string",
52         "name": "",
53         "type": "string"
54     }
55 ],
56     "stateMutability": "pure",
57     "type": "function"
58 }
59 ]
60 }
61 }
```

0

☐ listen on all transactions

Search with transaction hash or address

The following libraries are accessible:

- web3 version 1.5.2
- ethereum

Activate Windows

Go to Settings to activate Windows.

Type here to search

32°C Mostly sunny

ENG IN

4:36 AM 10/20/2023