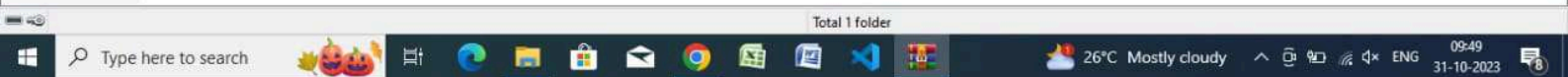
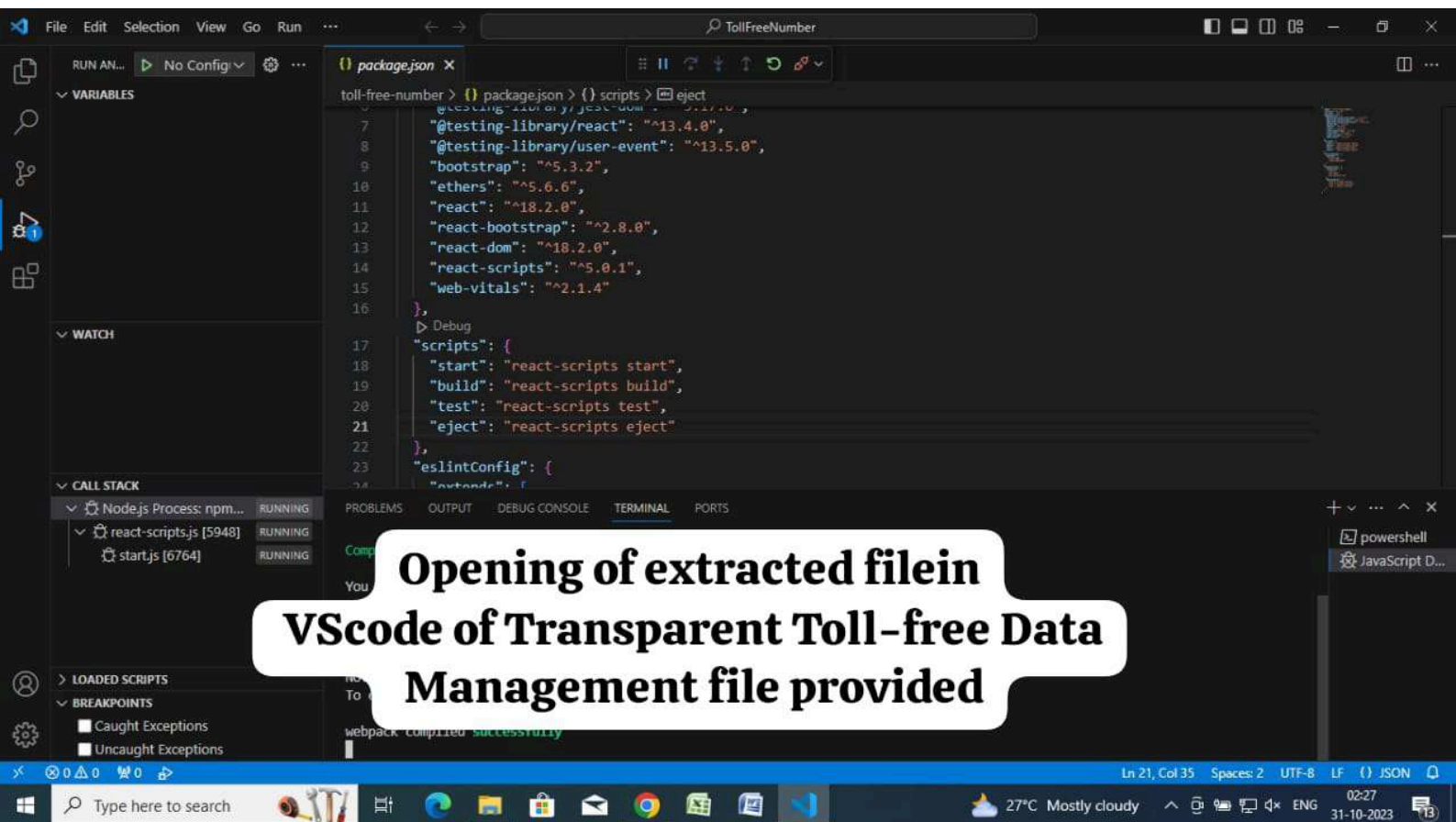


**Extraction of Zip file provided**





(1) WhatsApp x Remix - Ethereum IDE x MetaMask x +

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

FILE EXPLORER

WORKSPACES

default\_workspace

artifacts  
contracts  
scripts  
tests  
.prettierrc.json  
README.txt  
tollFreeNumber.sol

```
1 // SPDX-License-Identifier: MIT
2 pragma solidity ^0.8.0;
3
4 contract TollFreeNumberRegistry {
5     struct TollFreeNumber {
6         address owner;
7         string phoneNumber;
8         string serviceProvider;
9         uint256 monthlyFee;
10    }
11
12    mapping(uint256 => TollFreeNumber) public tollFreeNumbers;
13    uint256 public numberCount;
14
15    event TollFreeNumberAdded(uint256 numberId, address owner, string phoneNumber, string serviceProvider, uint256 monthlyFee);
16    event TollFreeNumberUpdated(uint256 numberId, string phoneNumber, string serviceProvider, uint256 monthlyFee);
17
18    modifier onlyOwner(uint256 _numberId) {
19        require(tollFreeNumbers[_numberId].owner == msg.sender, "Only the owner can perform this action");
20        _;
21    }
22
23    function addTollFreeNumber(string memory _phoneNumber, string memory _serviceProvider, uint256 _monthlyFee) external {
24        numberCount++;
25        tollFreeNumbers[numberCount] = TollFreeNumber(msg.sender, _phoneNumber, _serviceProvider, _monthlyFee);
26        emit TollFreeNumberAdded(numberCount, msg.sender, _phoneNumber, _serviceProvider, _monthlyFee);
27    }
28
29    function updateTollFreeNumber(uint256 _numberId, string memory _phoneNumber, string memory _serviceProvider, uint256 _monthlyFee) external {
30        require(tollFreeNumbers[_numberId].owner == msg.sender, "Only the owner can perform this action");
31        tollFreeNumbers[_numberId].phoneNumber = _phoneNumber;
32        tollFreeNumbers[_numberId].serviceProvider = _serviceProvider;
33        tollFreeNumbers[_numberId].monthlyFee = _monthlyFee;
34        emit TollFreeNumberUpdated(_numberId, _phoneNumber, _serviceProvider, _monthlyFee);
35    }
36}
```

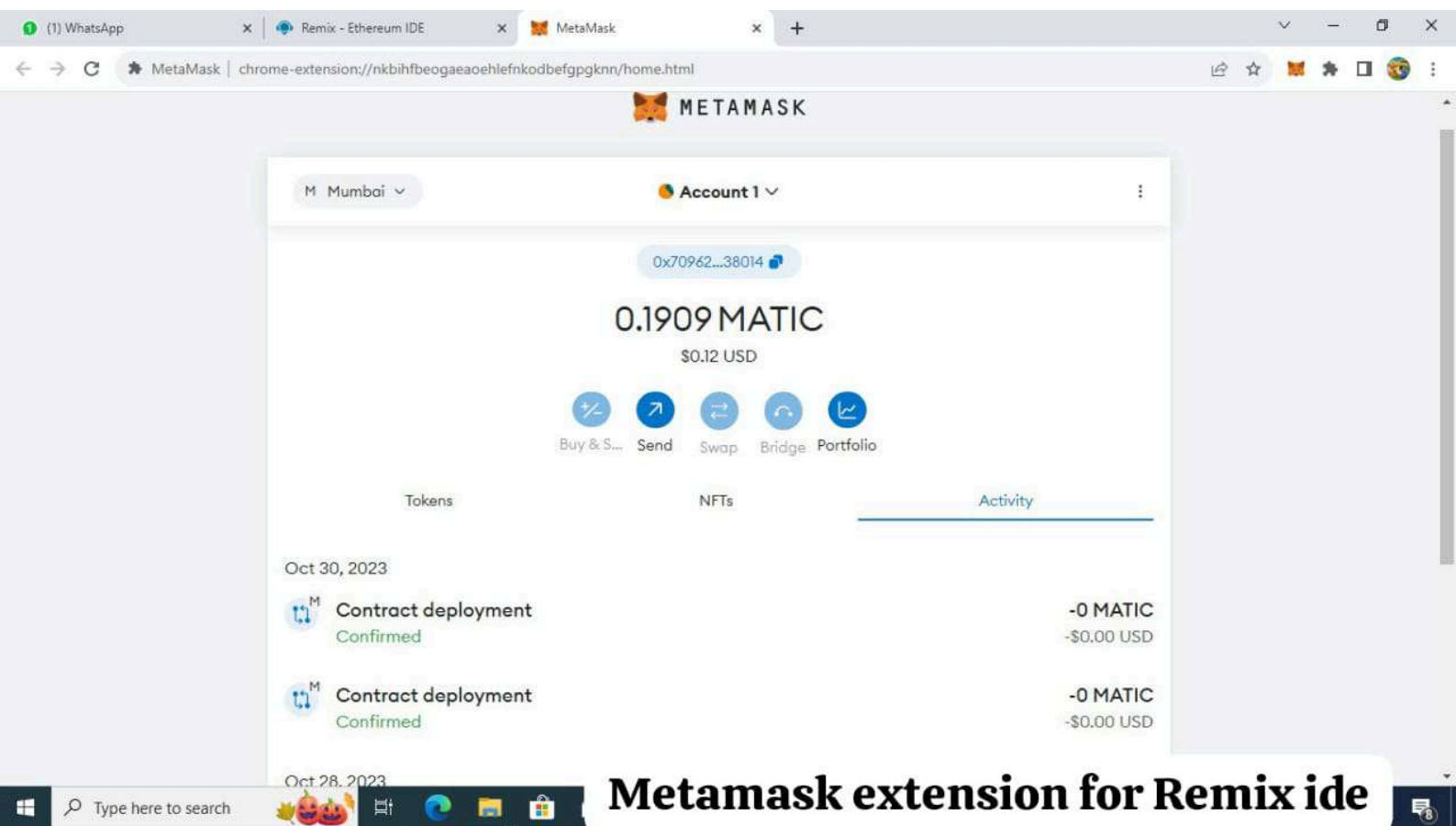
0 Listen on all transactions Search with transaction hash or address

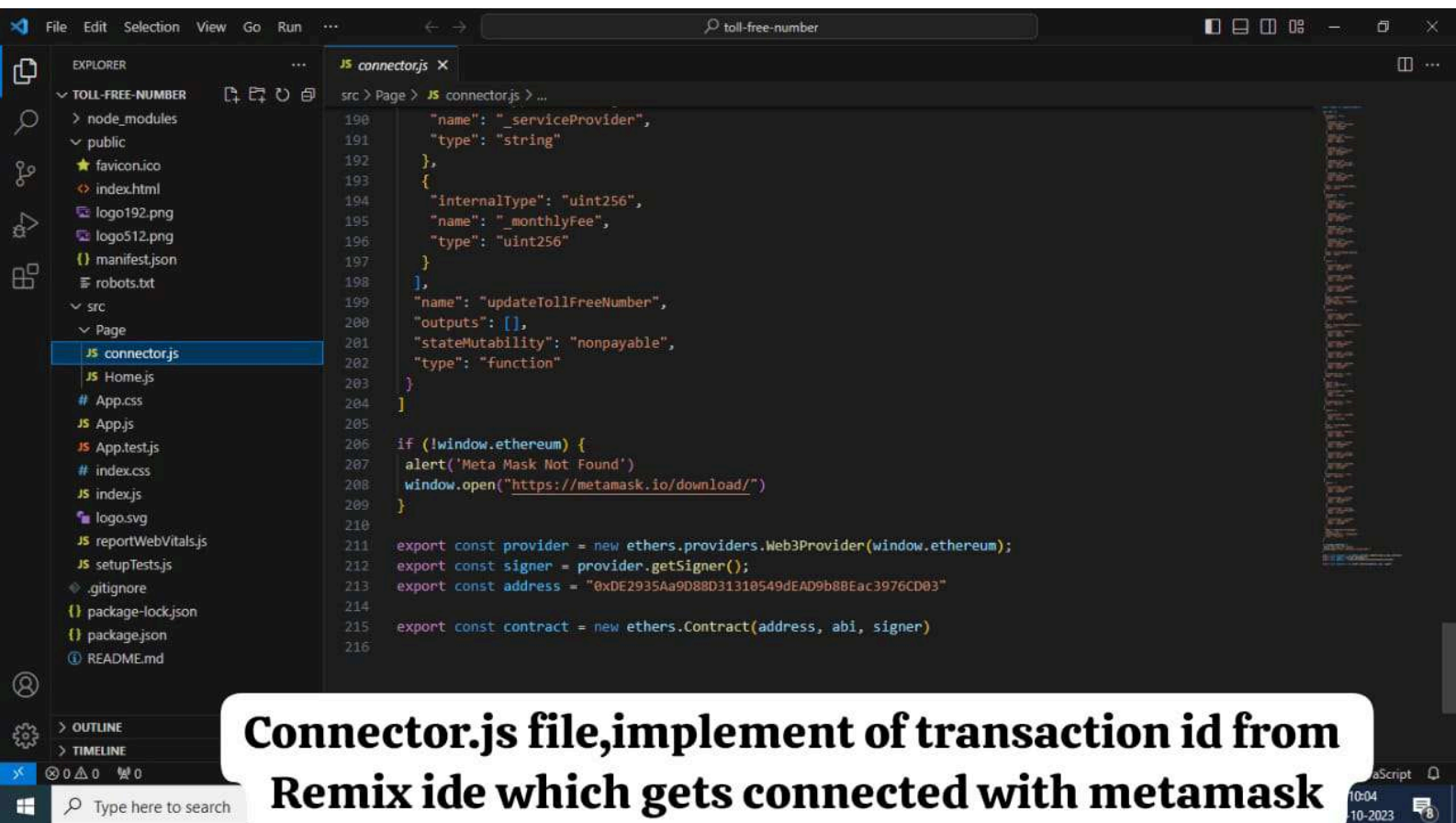
• ethers.js  
• remix

Type the library name to see available symbols

Type here to search

## Opening of tollFreeNumber.sol file in Remix ide for solidity compiling





## Toll Free Number

0x7096....338014

Phone Number

Service Provider

Monthly fee

Add Toll Free Number

Policy number

Phone Number

Service Provider

Monthly fee

Update Toll Free Number

Enter Toll Number Id

Get Product Details

**Output for Transparent  
Toll-free Data Management**