

Go to <https://remix.ethereum.org/>

Write the following code in .sol

```
// SPDX-License-Identifier: MIT
pragma solidity ^0.8.0;

contract WavePortal {
    struct Wave {
        address waver;    // The address of the user who waved
        string message;   // The message the user sent
        uint256 timestamp; // The timestamp when the user waved
    }

    Wave[] public waves;    // Array to store all waves
    uint256 public totalWaves; // Counter for total waves

    event NewWave(address indexed waver, string message, uint256 timestamp);

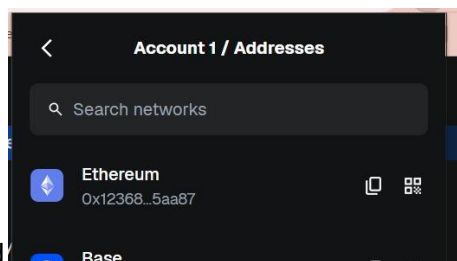
    constructor() {
        totalWaves = 0;
    }

    function wave(string memory _message) public {
        waves.push(Wave(msg.sender, _message, block.timestamp));
        totalWaves += 1;
        emit NewWave(msg.sender, _message, block.timestamp);
    }

    function getAllWaves() public view returns (Wave[] memory) {
        return waves;
    }

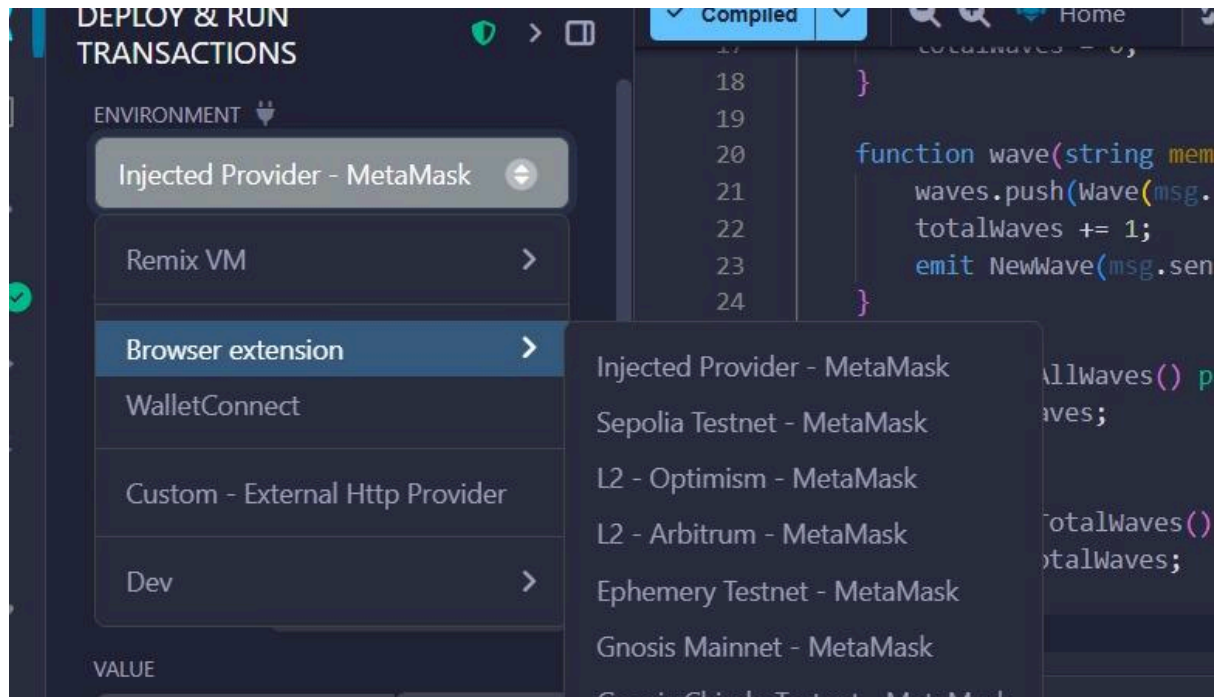
    function getTotalWaves() public view returns (uint256) {
        return totalWaves;
    }
}
```

transfer gas fees to your wallet from - [Ethereum Sepolia Faucet](#)



copy this ethereum add/ to the above sepolia

then



Deploy and verify done!!