

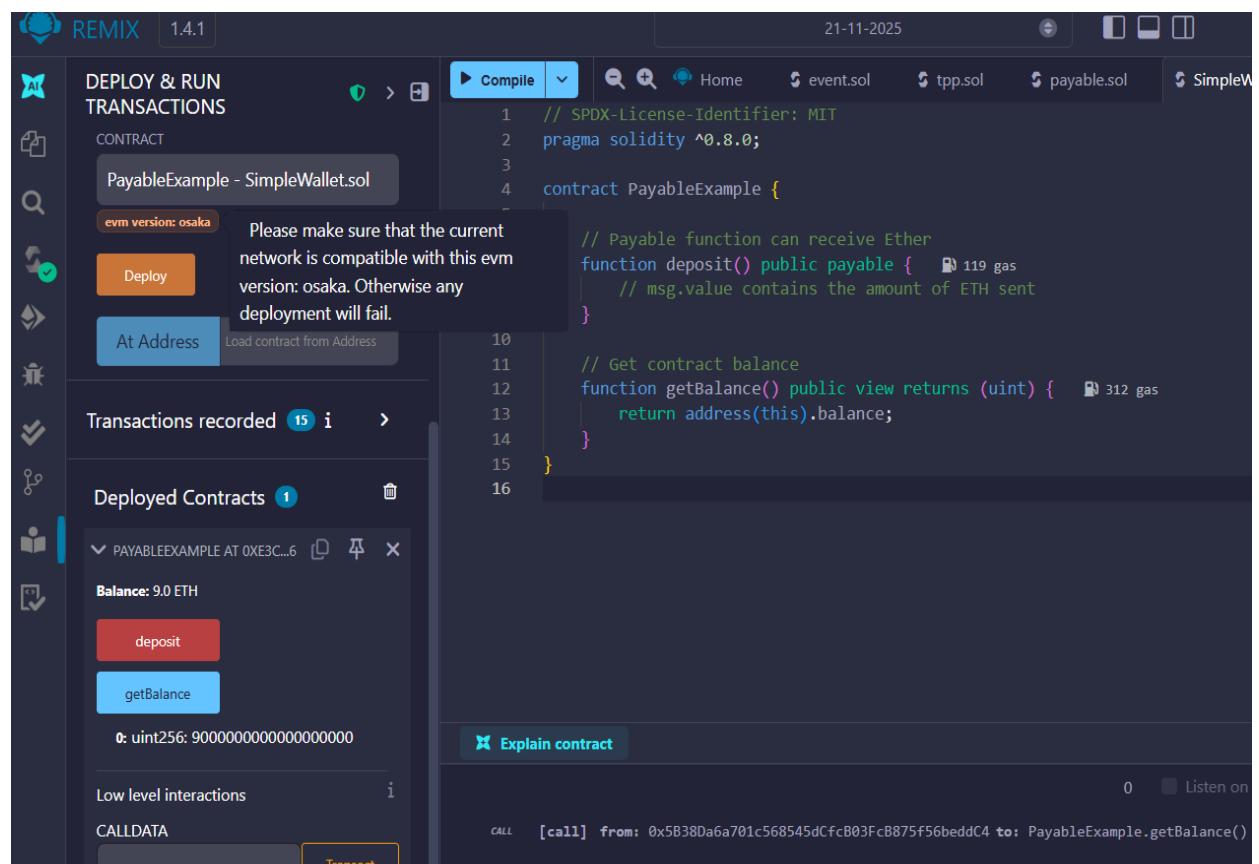
# Payable

Payable functions in Solidity are functions that let a smart contract accept Ether. They help developers manage incoming Ether and take actions when it's received.

The keyword payable allows someone to send ether to a contract and run code to account for this deposit.

## Where payable is used

1. **Payable function** → can receive ETH
2. **Payable address** → can be sent ETH
3. **Constructor / fallback / receive** → can receive ETH



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

contract PayableExample {
    // Payable function can receive Ether
    function deposit() public payable {
        // msg.value contains the amount of ETH sent
    }

    // Get contract balance
    function getBalance() public view returns (uint) {
        return address(this).balance;
    }
}
```