

Receive

What is receive() ?

receive() is a **special function** in Solidity that allows a contract to **receive Ether directly** when:

- Ether is sent **without any data**
- Using .send(), .transfer(), or a plain ETH transfer

receive() is a special payable function that executes when a contract receives Ether without any calldata.

The screenshot shows the REMIX IDE interface with the following details:

- Compiler:** EVM version: Istanbul
- Contract Name:** ReceiveDemo
- Code:**

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

contract ReceiveDemo {

    event Received(address sender, uint amount);

    receive() external payable {
        emit Received(msg.sender, msg.value);
    }

    function getBalance() public view returns (uint) {
        return address(this).balance;
    }
}
```
- Deployed Contracts:** RECEIVEDEMO at 0xDAO...5D3
- Balance:** 0.000010056745519312 ETH
- Low level interactions:** CALLDATA