

```
// SPDX-License-Identifier: MIT
```

```
pragma solidity ^0.6.0;
```

```
contract Vulnerability {
```

```
    mapping(address => uint) public balances;
```

```
    function donate(address _to) public payable {
```

```
        balances[_to] = balances[_to] + msg.value;
```

```
    }
```

```
    function balanceOf(address _who) public view returns (uint balance) {
```

```
        return balances[_who];
```

```
    }
```

```
    function withdraw(uint _amount) public {
```

```
        if(balances[msg.sender] >= _amount) {
```

```
            (bool result,) = msg.sender.call{ value:_amount }("");
```

```
            if(result) {
```

```
                _amount;
```

```
            }
```

```
            balances[msg.sender] -= _amount;
```

```
        }
```

```
    }
```

```
    receive() external payable {}
```

```
}
```