Vulnerable (Bad):

function forwardFunds(address receiver, uint amount) public { require(balances[msg.sender] >= amount); receiver.transfer(amount); // <= flow control transferred before the sender's balance is updated and before an event is emitted. Potentially the start of trouble. balances[receiver] -= amount; LogFundsForwarded(msg.sender, receiver, amount); }

Finishing internal work first (Good)

function forwardFunds(address receiver, uint amount) public { require(balances[msg.sender] >= amount); balances[msg.sender] -= amount; LogFundsForwarded(msg.sender, receiver, amount); receiver.transfer(amount); // <== on fail, this will revert all of the above. }