

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

contract BankAccount {
    mapping(address => uint256) private balances;

    function deposit() public payable {
        require(msg.value > 0, "Deposit amount must be greater than zero");
        balances[msg.sender] += msg.value;
    }

    function withdraw(uint256 _amount) public {
        require(_amount <= balances[msg.sender], "Insufficient balance");
        balances[msg.sender] -= _amount;
        payable(msg.sender).transfer(_amount);
    }

    function getBalance() public view returns (uint256) {
        return balances[msg.sender];
    }
}
```

## Smart Contract Deployment

```
[vm] from: 0x5B3...eddC4to: BankAccount.(constructor)value: 0 weidata:
0x608...a0033logs: 0hash: 0x914...03eae
status0x1 Transaction mined and execution succeed
transaction hash 0x9146985ff0583e97fc526397baa62b94ee70fa5c96d588f80a246fdd74103eae
block hash 0xb143aac5f43a533e65549a944cfa6d3e6e7abc8a5b746e533d981c80d44b9334
block number 2
contract address 0xd8b934580fcE35a11B58C6D73aDeE468a2833fa8
from 0x5B38Da6a701c568545dCfcB03FcB875f56beddC4
to BankAccount.(constructor)
gas 369239 gas
transaction cost 321077 gas
execution cost 249285 gas
input 0x608...a0033
output

0x608060405260043610610033575f3560e01c806312065fe0146100375780632e1a7d4d14610061578063
d0e30db014610089575b5f80fd5b348015610042575f80fd5b5061004b610093565b604051610058919061
029c565b60405180910390f35b34801561006c575f80fd5b50610087600480360381019061008291906102
e3565b6100d6565b005b6100916101ee565b005b5f805f3373fffffffffffffffffffffffffffff
...

decoded input {}
decoded output -
logs []
raw logs []
```

## Deposit

```
[vm]from: 0x5B3...eddC4to: BankAccount.deposit() 0xd8b...33fa8value: 10000 weidata:
0xd0e...30db0logs: 0hash: 0x3c0...5b4b4
status0x1 Transaction mined and execution succeed
transaction hash 0x3c0846f14f257afc67dfb38a4aafb2ab01d0e9b72cd72dc19276c4a57c95b4b4
block hash 0x43b4a40c86eff47aa31aaaab913d486f5eecf03cb7966bc5966226617d537fd8
block number 3
from 0x5B38Da6a701c568545dCfcB03FcB875f56beddC4
to BankAccount.deposit() 0xd8b934580fcE35a11B58C6D73aDeE468a2833fa8
gas 50167 gas
transaction cost 43623 gas
execution cost 22559 gas
input 0xd0e...30db0
output0x
decoded input {}
decoded output {}
logs []
raw logs []
value 10000 wei
```

## Withdraw

```
[vm]from: 0x5B3...eddC4to: BankAccount.withdraw(uint256) 0xd8b...33fa8value: 0
weidata: 0x2e1...00064logs: 0hash: 0xce8...18971
status0x1 Transaction mined and execution succeed
transaction hash 0xce813189894e790d358c391f1ff510768140e25d180c0d0b316334faad118971
block hash 0xf99db4aee16b5841447fd1464c951ad90b74e85d9818c9e506dc38e01b58d00e
block number 4
from 0x5B38Da6a701c568545dCfcB03FcB875f56beddC4
to BankAccount.withdraw(uint256) 0xd8b934580fcE35a11B58C6D73aDeE468a2833fa8
gas 39121 gas
transaction cost 34018 gas
execution cost 12814 gas
input 0x2e1...00064
output0x
decoded input {
    "uint256 _amount": "100"
}
decoded output {}
logs []
raw logs []
```

## Get Balance

[illegible]