SOLIDITY COMPILER

AssociateProfitSplitter.sol

COMPILER

0.5.17+commit.d19bba13

☐ Include nightly builds

LANGUAGE

Solidity

EVM VERSION

istanbul

COMPILER CONFIGURATION

☑ Auto compile

☐ Enable optimization   200

☐ Hide warnings

🔁 Compile
AssociateProfitSplitter.sol

```
13        employee_one = _one;
14        employee_two = _two;
15        employee_three = _three;
16      }
17      //this should return 0 , if not deposit function needs correction
18      function balance() public view returns(uint) {
19          return address(this).balance;
20      }
21
22      function deposit() public payable {
23          // @TODO: Split `msg.value` into three
24          uint amount = msg.value / 3;
25
26          // @TODO: Transfer the amount to each employee
27          employee_one.transfer(amount);
28          employee_two.transfer(amount);
29          employee_three.transfer(amount);
30
31          // @TODO: take care of a potential remainder by sending back to HR (`msg.sender`)
32          msg.sender.transfer(msg.value-amount*3);
33          // the above takes care of the 1 or 2 wei left over to send back to HR
34      }
35
36      function() external payable {
37          // @TODO: Enforce that the `deposit` function is called in the fallback function!
38          deposit();
39      }
40  }
41
```

0   listen on network   Search with transaction hash or address

👤 ACCOUNTS | 🔲 BLOCKS | ⇄ TRANSACTIONS | 📄 CONTRACTS | 🔔 EVENTS | 🗔 LOGS | SEARCH FOR BLOCK NUMBERS OR TX HASHES

Apps

CURRENT BLOCK	GAS PRICE	GAS LIMIT	HARDFORK	NETWORK ID	RPC SERVER	MINING STATUS	WORKSPACE	
16	20000000000	6721975	MUIRGLACIER	5777	HTTP://127.0.0.1:8545	AUTOMINING	NICENET-WS	SWITCH ⚙

MNEMONIC ❓   HD PATH
mean fashion expect cover moment jewel left hobby weasel diesel bullet profit   m/44'/60'/0'/0/account_index

ADDRESS	BALANCE	TX COUNT	INDEX	
0×6b9C1D4BD03FB19F8DdabcaAdB9B0bd2bC859435	72.90 ETH	16	0	🔑
0×99A4ee3581F68593ff28E4AD70d2118E6E7a9BE0	100.00 ETH	0	1	🔑
0×b2676C7b0d84B9DC8F67fFd6601e0855723d856D	115.00 ETH	0	2	🔑
0×e95545B53C3e2F17814B77A39f7cAF27B04f45d9	100.00 ETH	0	3	🔑
0×A520A62e6B62FB9636D308bc0c0d5f3C05FDEebD	100.00 ETH	0	4	🔑

← → C ⚠ Not secure | remix.ethereum.org/#optimize=false&runs=200&evmVersion=istanbul&version=soljson-v0.5.17+commit.d19bba13.js

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DEPLOY & RUN TRANSACTIONS

0x6b9...59435 (72.8986334 ⇕)   📋 ✎

GAS LIMIT

3000000

VALUE

0   wei ⇕

CONTRACT

AssociateProfitSplitter - .deps/Associat ⇕

DEPLOY ⌃

_ONE: "0x6b9C1D4BD03FB19F8Ddat

_TWO: 0x99A4ee3581F68593ff28E4A

_THREE: address

📋   transact

☐ Publish to IPFS

OR

```solidity
1   pragma solidity ^0.5.0;
2
3   // lvl 1: equal split
4 ▾ contract AssociateProfitSplitter {
5      // @TODO: Create three payable addresses representing `employee_one`, `employee_two`
6
7      address payable employee_one;
8      address payable employee_two;
9      address payable employee_three;
10
11     //Setting the variables above as parameters in the constructor below
12 ▾   constructor(address payable _one, address payable _two, address payable _three) publi
13         employee_one = _one;
14         employee_two = _two;
15         employee_three = _three;
16     }
17     //this should return 0 , if not deposit function needs correction
18 ▾   function balance() public view returns(uint) {
19         return address(this).balance;
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22 ▾   function deposit() public payable {
23         // @TODO: Split `msg.value` into three
24         uint amount = msg.value / 3;
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26         // @TODO: Transfer the amount to each employee
27         employee_one.transfer(amount);
28         employee_two.transfer(amount);
```

⇟ ⊘ 0 ☐ listen on network   🔍   Search with transaction hash or address

creation of AssociateProfitSplitter errored: Error encoding arguments: Error: invalid address
code=INVALID_ARGUMENT, version=address/5.0.5) (argument=null, value="", code=INVALID_ARGUMENT,

← → C ⚠ Not secure | remix.ethereum.org/#optimize=false&runs=200&evmVersion=istanbul&version=soljson-v0.5.17+commit.d19bba13.js   ☆ ✱

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DEPLOY & RUN TRANSACTIONS

At Address   Load contract from Address

Transactions recorded 9   ⌃

All transactions (deployed contracts and
function executions) in this environment can
be saved and replayed in another
environment. e.g Transactions created in
Javascript VM can be replayed in the
Injected Web3.

💾   ▶

Deployed Contracts   🗑

∨ ASSOCIATEPROFITSPLITTER AT 0X6D7 📋 ✕

deposit

balance

0: uint256: 0

Low level interactions   ℹ

CALLDATA

```solidity
9   address payable employee_three;
10
11  //Setting the variables above as parameters in the constructor below
12 ▾ constructor(address payable _one, address payable _two, address payable _three) public {
13      employee_one = 0x99A4ee3581F68593ff28E4AD70d2118E6E7a9BE0;
14      employee_two = 0xb2676C7b0d84B9DC8F67fFd6601e0855723d856D;
15      employee_three = 0xA520A62e6B62F89636D308bc0c0d5f3C05FDEebD;
16  }
17  //this should return 0 , if not deposit function needs correction
18 ▾ function balance() public view returns(uint) {
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39  }
40 }
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```

With three employee addresses from ganache

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MNEMONIC ❓
mean fashion expect cover moment jewel left hobby weasel diesel bullet profit

HD PATH
m/44'/60'/0'/0/acco

ADDRESS	BALANCE	TX COUNT	INDEX
0×6b9C1D4BD03FB19F8DdabcaAdB9B0bd2bC859435	77.89 ETH	25	0
0×99A4ee3581F68593ff28E4AD70d2118E6E7a9BE0	75.00 ETH	1	1
0×b2676C7b0d84B9DC8F67fFd6601e0855723d856D	115.00 ETH	0	2
0×e95545B53C3e2F17814B77A39f7cAF27B04f45d9	100.00 ETH	0	3
0×A520A62e6B62FB9636D308bc0c0d5f3C05FDEebD	100.00 ETH	0	4