

AssociateProfitSplitter.sol

The screenshot shows the Remix IDE interface for deploying the AssociateProfitSplitter.sol contract. The left sidebar contains the 'DEPLOY & RUN TRANSACTIONS' panel with the following settings:

- ENVIRONMENT:** Injected Web3
- ACCOUNT:** 0x0E5...B841a (99.9875492 ether)
- GAS LIMIT:** 3000000
- VALUE:** 0 ether
- CONTRACT:** AssociateProfitSplitter - browser/Asso...
- DEPLOY:** Buttons for 'transact' and 'Publish to IPFS'.

The main editor displays the Solidity code for AssociateProfitSplitter.sol:

```
1 pragma solidity ^0.5.0;
2
3 // Lvl 1: equal split
4 contract AssociateProfitSplitter {
5     // @1000: Create three payable addresses representing 'employee_one', 'employee_two' and 'employee_three'.
6     address payable employee_one;
7     address payable employee_two;
8     address payable employee_three;
9
10
11     constructor(address payable _one, address payable _two, address payable _three) public {
12         // employee_one = _one = 0x2c10661055A52147840df79df3a52e97679f0d05;
13         // employee_two = _two = 0x0E586933B7cd754e856C2f391Cb95f449408841a;
14         // employee_three = _three = 0x93e05866b8A9e92C2d3975203B45C9e99c52E19;
15         employee_one = _one;
16         employee_two = _two;
17         employee_three = _three;
18     }
19
20     function balance() public view returns(uint) {
21         return address(this).balance;
22     }
23
24     function deposit() public payable {
25         // @1000: Split 'msg.value' into three
26         uint amount;
27         amount = msg.value / 3;
28
29         // @1000: Transfer the amount to each employee
30         // Your code here!
31         employee_one.transfer(amount);
32         employee_two.transfer(amount);
33         employee_three.transfer(amount);
34
35         // @1000: take care of a potential remainder by sending back to HR ('msg.sender')
36         // Your code here!
37         msg.sender.transfer(msg.value - (amount * 3));
38     }
39
40
41     function() external payable {
42         // @1000: Enforce that the 'deposit' function is called in the fallback function!
43         // Your code here!
44         deposit();
45     }
46 }
47
```

The screenshot shows the Remix IDE interface after the AssociateProfitSplitter.sol contract has been deployed. The left sidebar contains the 'DEPLOY & RUN TRANSACTIONS' panel with the following settings:

- ENVIRONMENT:** Injected Web3
- ACCOUNT:** 0x0E5...B841a (99.9875492 ether)
- GAS LIMIT:** 3000000
- VALUE:** 0 ether
- CONTRACT:** AssociateProfitSplitter - browser/Asso...
- DEPLOY:** Buttons for 'transact' and 'Publish to IPFS'.

The main editor displays the Solidity code for AssociateProfitSplitter.sol, which is identical to the one in the first screenshot.

The 'Deployed Contracts' section in the left sidebar shows the deployed contract:

- ASSOCIATEPROFITSPLITTER AT 0x5B5...**
- deposit** (button)
- balance** (button)
- Low level interactions** (button)
- CALLDATA** (input field with value 10)
- Transact** (button)

ACCOUNTS

BLOCKS

TRANSACTIONS

CONTRACTS

EVENTS

LOGS

SEARCH FOR BLOCK NUMBERS OR TX HASHES

CURRENT BLOCK
13

GAS PRICE
2000000000

GAS LIMIT
6721975

HARDFORK
MUIRGLACIER

NETWORK ID
5777

RPC SERVER
HTTP://127.0.0.1:8545

MINING STATUS
AUTOMINING

WORKSPACE
SOLIDITY

SWITCH

⚙️

TX HASH

0xb775bf3e888090160a5eabb9f1193520a3596f632e7015a5fe672dbac6de7c7c

CONTRACT CALL

FROM ADDRESS

0x0E586933B7cd754eB56C2f391Cb95f449408841a

TO CONTRACT ADDRESS

0x5B911EC07137Af4c4F019da57810B2F53930DB23

GAS USED

26853

VALUE

0

TX HASH

0x61ed61be5e36cd2e57d38ddb89f7827dc5244f4bfcf5ab5d24ca152b03cbe7c6

CONTRACT CALL

FROM ADDRESS

0x0E586933B7cd754eB56C2f391Cb95f449408841a

TO CONTRACT ADDRESS

0x5B911EC07137Af4c4F019da57810B2F53930DB23

GAS USED

26853

VALUE

0

TX HASH

0x6815b937705ac018fb7e801e05ff16d716b116385b7d0c997d61711d0d32f6ed

CONTRACT CALL

FROM ADDRESS

0x0E586933B7cd754eB56C2f391Cb95f449408841a

TO CONTRACT ADDRESS

0x5B911EC07137Af4c4F019da57810B2F53930DB23

GAS USED

26853

VALUE

0

TX HASH

0x0bf2f150e6d999f954b44ce3ae42ea746b6b2ddccd22eceb8b949763c48f2fec

CONTRACT CALL

FROM ADDRESS

0x0E586933B7cd754eB56C2f391Cb95f449408841a

TO CONTRACT ADDRESS

0x5B911EC07137Af4c4F019da57810B2F53930DB23

GAS USED

26957

VALUE

0

Transact Button from Remix

MetaMask Notification

Localhost 8545

Account 1

→

0x5B91...DB...

http://remix.ethereum.org

CONTRACT INTERACTION

0

DETAILS

DATA

GAS FEE

0.000638

No Conversion Rate Available

Gas Price (GWEI)

20

Gas Limit

31910

AMOUNT + GAS FEE

TOTAL

0.000638

No Conversion Rate Available

Reject

Confirm