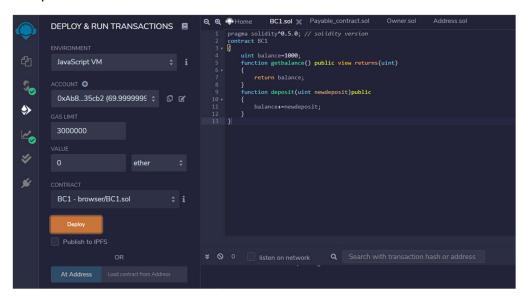
CRYPTO CURRENCIES AND BLOCKCHAIN

LAB_2

VIBHAV SHARMA

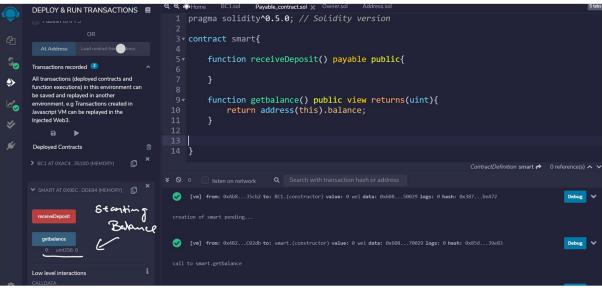
E18CSE206

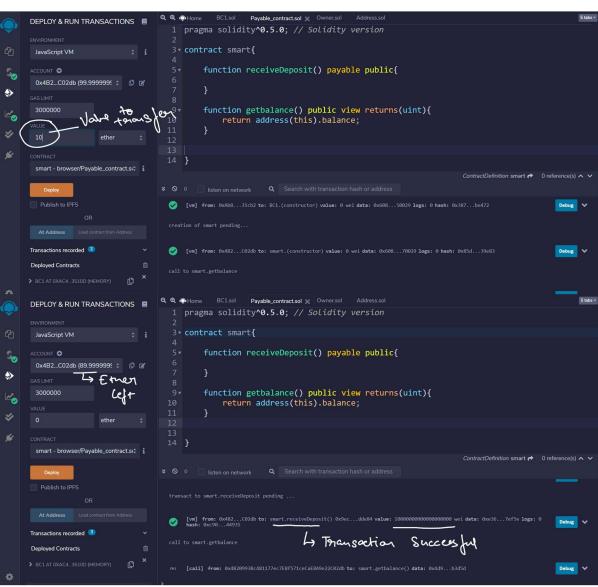
Sample Test:

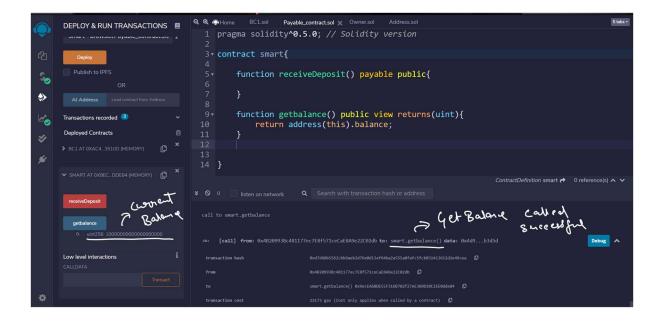


a) Transferring funds from an account to the contract using payable:

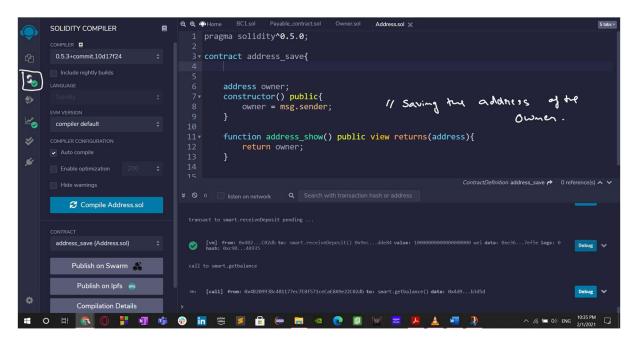
```
Payable_contract.sol X Owner.sol
                                                       Q Q PHome
        SOLIDITY COMPILER
                                                              pragma solidity^0.5.0; // Solidity version
        COMPILER +
                                                           3 ▼ contract smart{{
          0.5.3+commit.10d17f24
                                                                  function receiveDeposit() payable public{
          Include nightly builds
                                                                  function getbalance() public view returns(uint){
   return address(this).balance;
>>
          compiler default
*
         Auto compile
*
           Hide warnings
          ♂ Compile Payable_contract.sol
```

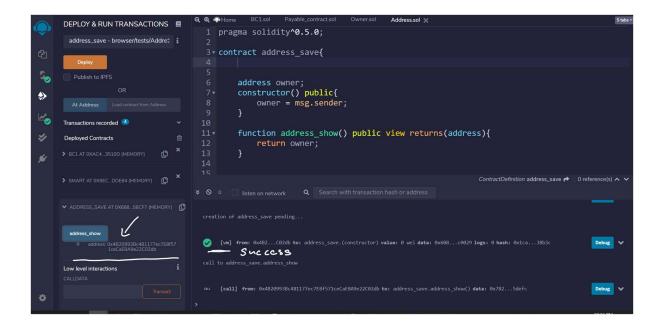




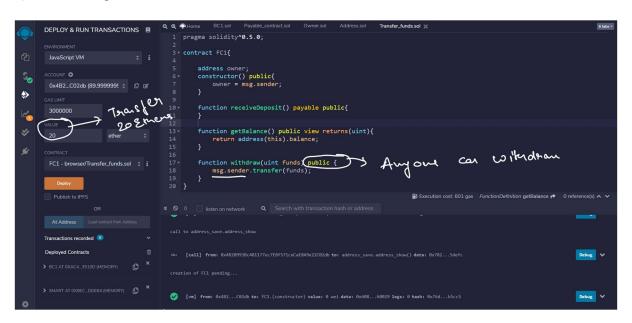


b) Saving the address of the contract creator:

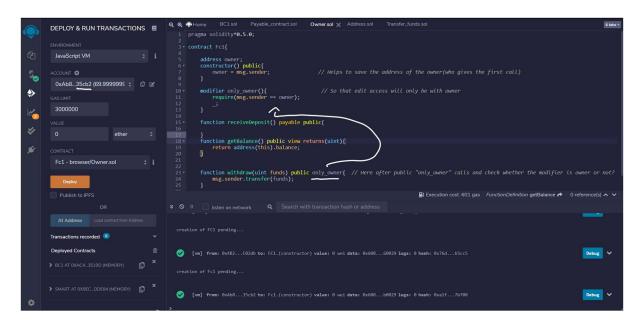


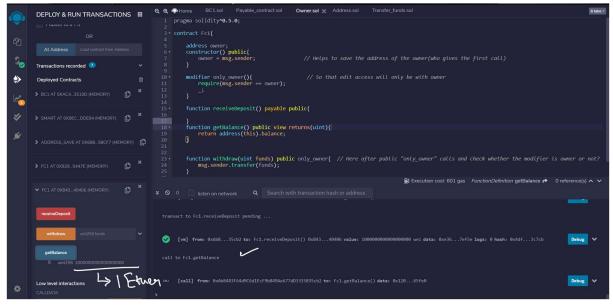


c) Withdrawing funds from the contract to an account :

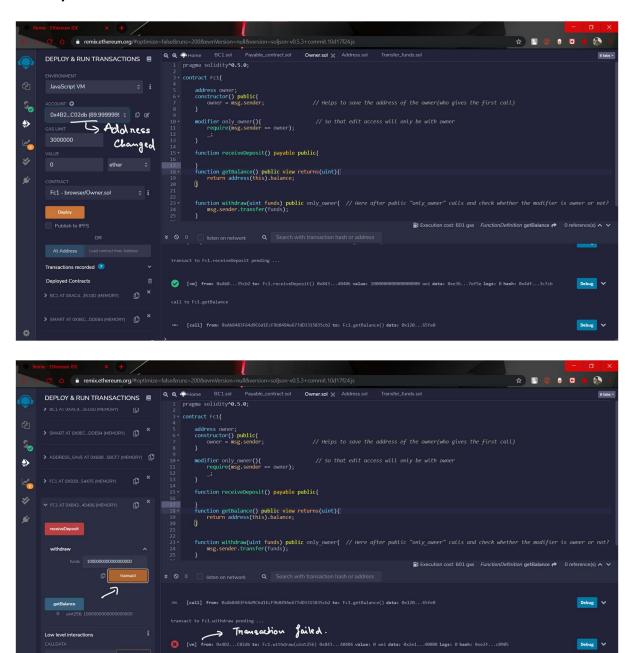


d) Limiting the users' access to functions (Transfer some funds from the contract's balance to the owner). Only the contract's creator is permitted to withdraw.





Let's try to withdraw this ether from another address:



Only owner can withdraw.