Experiment. No. 15

- litle: write a smart contract on a test network, for Bank account of a customer for following operations. * Deposite money
 - * withdraw Money
 - * show balance

objective! To learn new technology such as metamask. Its application and implementations.

First of all, we need to understand the theory: difference between a paper contract and a smart contract and the reason why smart contracts becomes increasingly popular and implemented important in recent

A contract by definition, is a written or spoken (mostly written law enforced agreement containing the rights and tricky the parties need to hire professional agents or

lawyers for protecting their own right However, if we hire those professionals every time we sign contracts, it is going to be extremely costly and

smart contracts perfectly solve this by working on, If-then inefficient.

All participants need to put their money, ownership principle & also as escrow service right on other tradable assests into smart contracts

As long as all participating parties meet the requirebefore any successful transaction. ments. smart contracts will simultaneously distribute stored assests to receptents and the distribution

process will be witnessed and verified by	ho
nodes on Ethereum network.	
there are a couple of languages we can	15
program smart contract.	~
solidity an object - oriented and high-level	las
is by far the most famous and well maintain	00
one	250
we can use solidity to create various smart	Cor
which can be used in different scenario, includi	in
voring billing auctions of safe remote purchase	
After deciding the coding language we need to	píc
UDDIODITATE CAMPILLAY	10.30
Among various compilers like visual code studio	
Them a tot in this & following	-8/5
arecity desessed from brown	ingdy
acoug & deploy smort contracts	WE
any installation.	<i>F</i>
steps to execute solidity smart cont	5.5%
steps to execute solidity smart contract using Ren	n'z
on New Pile & click solidity to the	
on New File & click solidity to choose the envir	
menr. To choose the envir	ran
2. write the smart continue	
2. write the smart contract in code section & cli	ck.
3.10 execute ti	
under Deploy & Run Transactions window After	
deploying the cod transactions window . After	
deploying the code click on the dropdown on t	he.

ample output:
ample
After deploying the contract successful you can observe following buttons create, account, deposit, sent, transfer, account, exist, user account, user-balance
amt, transfer, account_exist, user account,
voer exists.
* check Account Exists
* check user account Exists
* check user balance * check user exists
* send amount
* check user account balance * withdraw amount and check user account balance * withdraw amount of check bank user Amount * Transfer Amount of check bank user Amount
balance
conclusion: Hence, we studied a smart contract on a test network for Bank account of a customer