Experiment No! 2

Aim: Create Smort contract using Solidity tondi Renix IDG. of 24 Solidity is a braind-new programming language created by Etherenum which is the secondlargest market of cryptocurrency by capitalization: browned tooknow out In solidity is ashigh-level programming tranguage designed sfox implementing ismart contracts. - It is a statically typed object-oriented language. +20T bortons

- Solidity is high influenced by Rython's C++ and Javascript mhigh own on the Etherenum Virtual machine (EVM). Solidity supports complex user-defined programming. libraries , and inheritance. - Solidity is the primary languages for i belockchains minning platform inov state like voting blind auctions, crowdfunding, about multi-signatures, wallets jets. and all · Smarto Contract id- His roop , who li public vers and wind public sum. + Smart contracts are high-level programs codes that are compiled to Ever byte code and deployed to the ethereum blockchain for

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difficturation lexecution tooms stoom i mit tithout any interference of the third party, these transactions are trackable and irreversible. Languages used to write smart contracts one -how solidity , serpenturally Handa Mutan or morket of emphicuraenty by · The contract Keyword: . no ito silo tigos under + rewhich eisen the ig code eiencapeulated. is a stationly typed abject-oriented language. test toortnos - 5 olidity is high influenced by Rythange (:+ munaro 17 HAFunctionso andidontataisosonot has Virtual machine (EVM).

- Solidity supports complex user-defined programming • States Namable morning 3 Ht 2/ Hibild - State variables are permanently stored in stocontract ostorage that they are inivited in Etherem . Blockichain. baile / paitor 32/11 The line wint public vort declares va storte voriable called vors of type vint. - Similarly, goos with the declaration wint public raxz and uint public sum. Smart contracts are high-level programs rades by wint spubliched Data / lignes on both deployed to the tethereum blockehain for



A function b declaration This is a function named set of access modifier type public which takes a variable Tir of datatypers wint as a parameter It's syntax is :-Function set (uint n) public function get () public view returns (uint) This is an example of a simple smart contract which updates the value of set Dota. - Anyone encall the' function set and overwrite this value of set Data which is stored in Ethereum blockchain and there is possibly no way for onyone to stop someone from using this Function · Smart contracts => Smart contracts are the block of instruction that are not dependent on any third party or centralized database. They are executable in decentralized environment. The benefits of smort contracts are as follows :-1) It removes centralized issues. 2) It is safe and more secure.

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	for the relevant parties. No way to
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	4) Makes the systems more accurate.
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