

integer cannot be negative

gas limit to 3,000 and the gas price to

is lower than the current average and we're specifying 2 gwei because we're not in a hurry to have our transaction

execution or all of

up at which point

not

enough

your transaction can process

— The lower you set the gas limit the less comp

set, the more Ether you

your transaction will be processed faster

will have to spend, bu

After your transaction is sent, and included in a block, your account will

be refunded for any unspent gas

SOUDITY COMPILER

Contracts, the syntax is similar to this except here we are passing in a fixed input and here we are passing in variables

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Deploy "foo", "bar"

name 4

here the constructor is accepting two

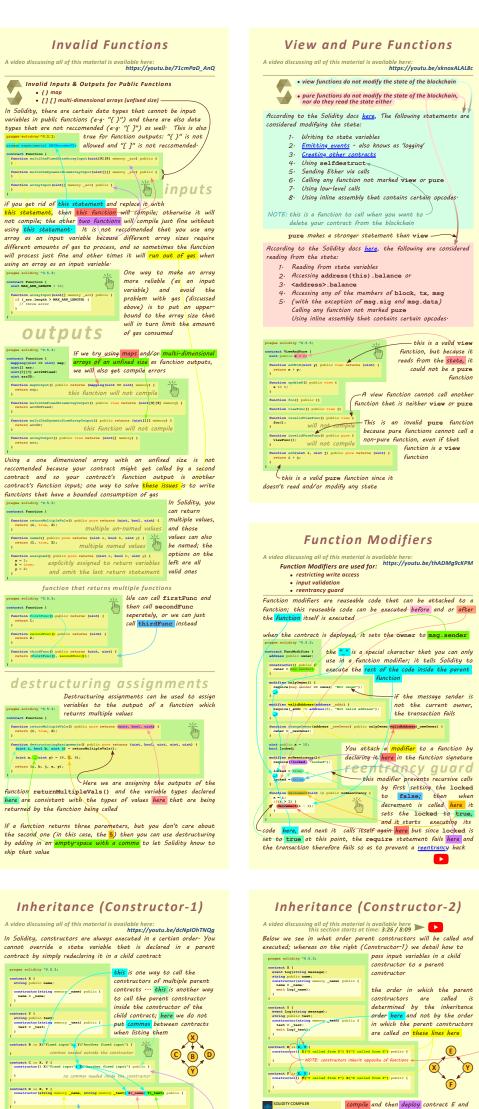
constructors (X & Y) and here it passes to pame variable to contract X and here it

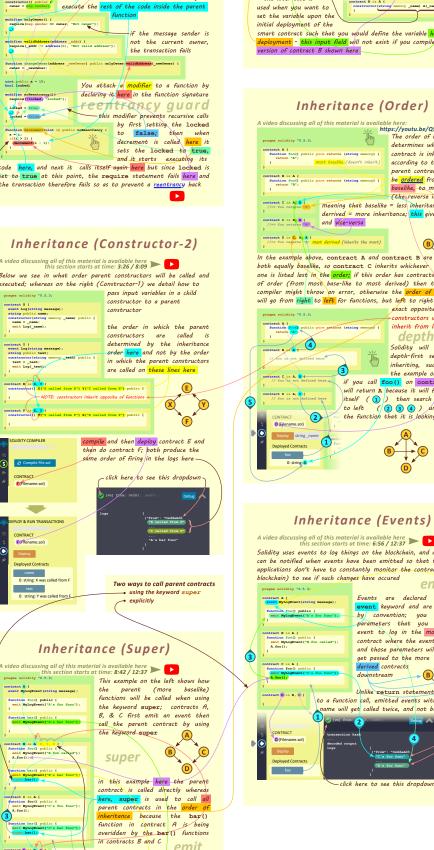
compile and then deploy contract D, and

to "foo" and the string_text to "bar"

Calling the state variable name returns the string "foo" and calling the state variable text returns the string "bar"

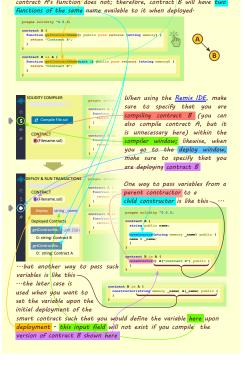
n upon deployment, set the string_name





here, X, Y, & Z are hypothetical

Constructor constructor is an optional function blockchain; if it accepts input variables, they are entere contract B is A { address public myAddress = 0x020...02} owner = msg.sender; createdAt = block.timestamp; the contract was deployed to the blockchain Deployed Contracts myAddress 0: address: 0x020 ctor() has access to special variable: like msg.sender & block.timestamp -----Inheritance (Override-1) getAddress 👉 contract B is inheriting from contract A, and they both have a function with the same name; normally, the function in contract 8 would overide the one in contract A if they have the same name, but here, contract B's function accepts an input variable whereas contract A's function/does not; therefore, contract B will have two

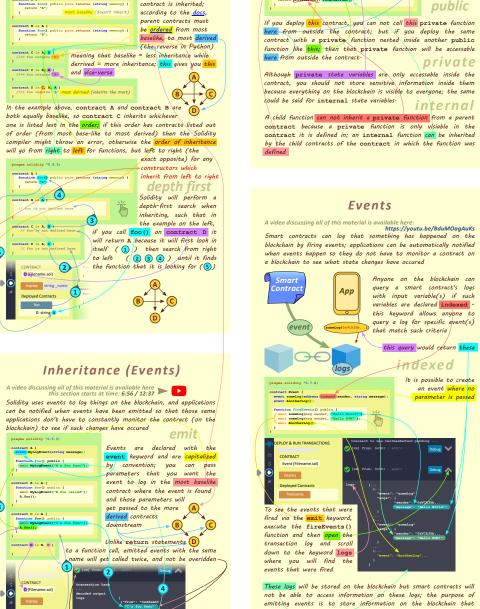


https://youtu.be/Q5_Gmm_IZS
The order of inheritance
determines which

createdAt

owner owner

0: uint256: 1



tion internal Func() internal pure returns (string memory)

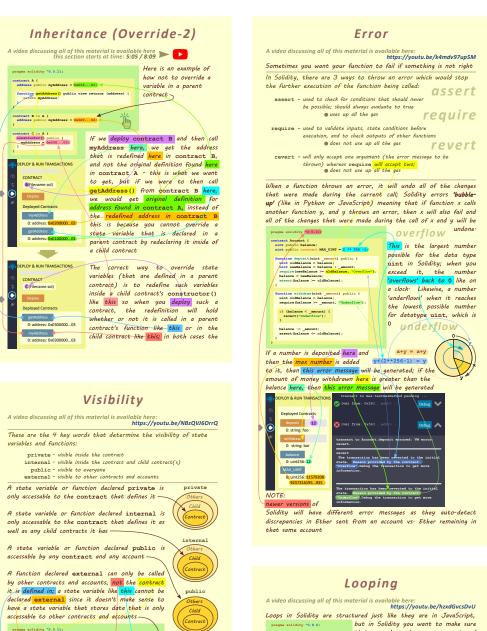
motion publicFunc() public pure returns (string memory) {
return "public function called";

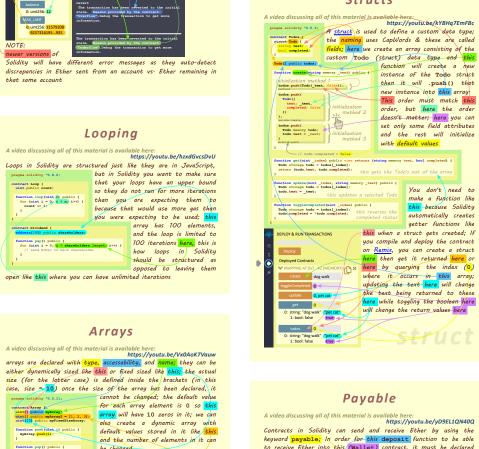
ion externalFunc() external pure returns (string memory)

nction testExternalFunc() public pure returns (string memory)

smart contracts do not need access to, because storing such information on logs is cheaper than storing it on smart contracts

external

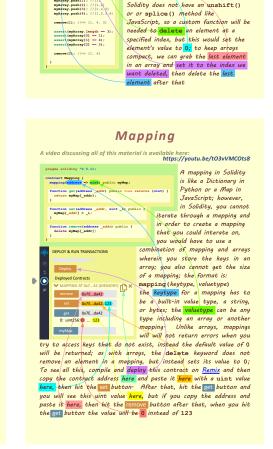




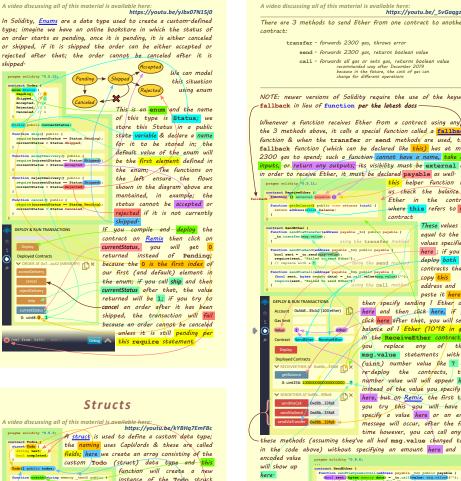
In Solidity, there are three

push() is a function that adds an element to the end of an array, pop() is

the last element in the



unction getLength() public return myArray length)



Enums





Sending Ether







github.com/Richard-Burd/solidity-sandbox last updated @3:48pm on 11/August/2021 by Richard Burd rick.a.burd@gmail.com

