

integer cannot be negative

units can only be added after literal

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

up at which point

not

your transaction can process

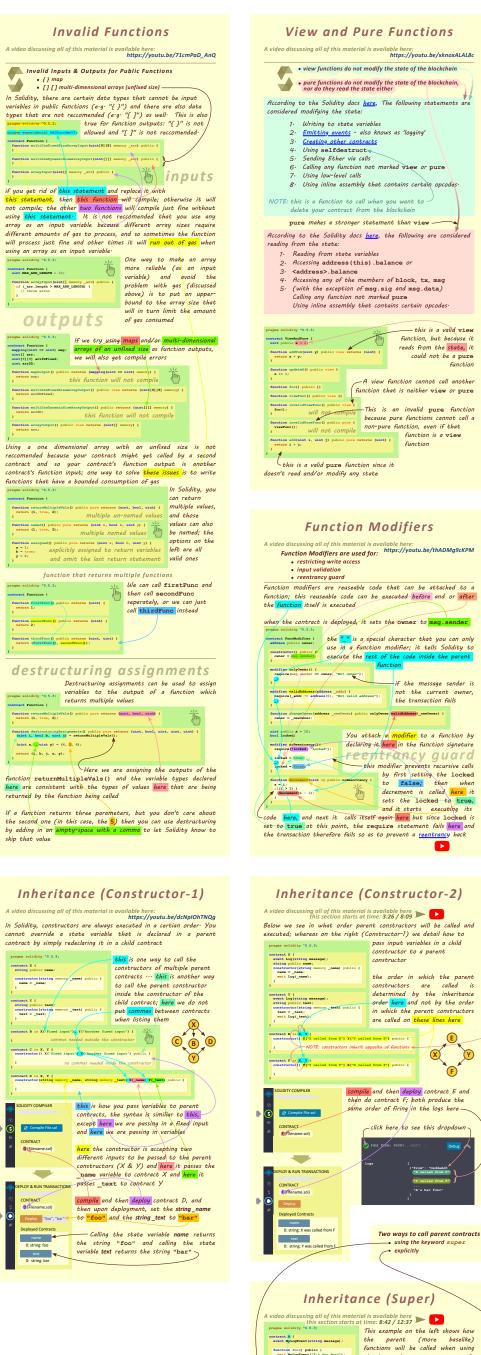
— The lower you set the gas limit the less comp

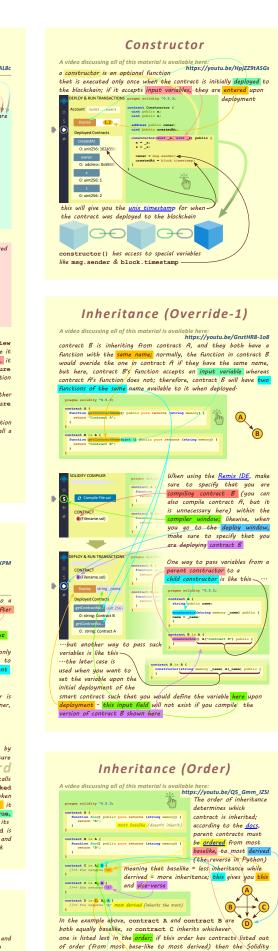
set, the more Ether you

will have to spend, bu your transaction will be processed faster

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

be refunded for any unspent gas





react A (muchion fixed) public pure returns (string memory) ( inherit from left to right return A:

Inheritance (Events)

Solidity uses events to log things on the blockchain, and applications can be notified when events have been emitted so that those same applications don't have to constantly monitor the contract (on the

blockchain) to see if such changes have occured

the keyword super; contracts A, B, & C first emit an event then call the parent contract by using the keyword super

here, super is used to call all parent contracts in the order of inheritance because the bar() function in contract A is being overidden by the bar() functions in contracts B and C

here, X, Y, & Z are hypothetical

tract D is A, C {

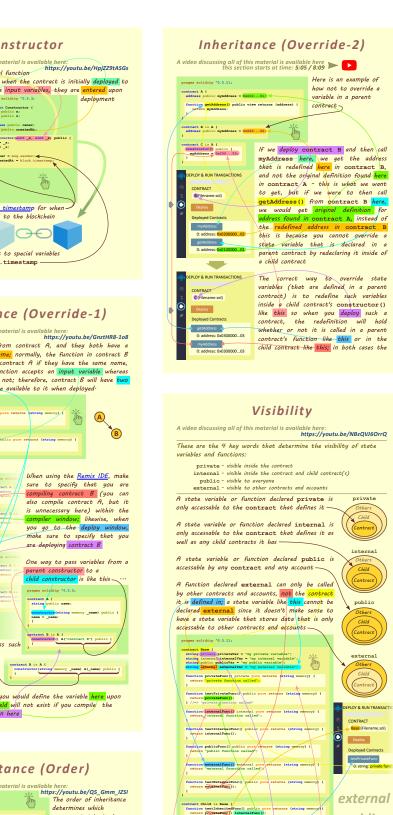
Deployed Contracts
foo
0: string: A

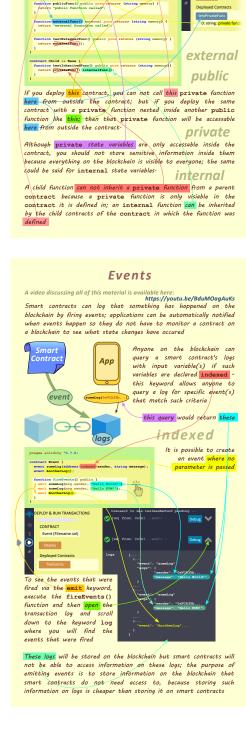
Solidity will perform a

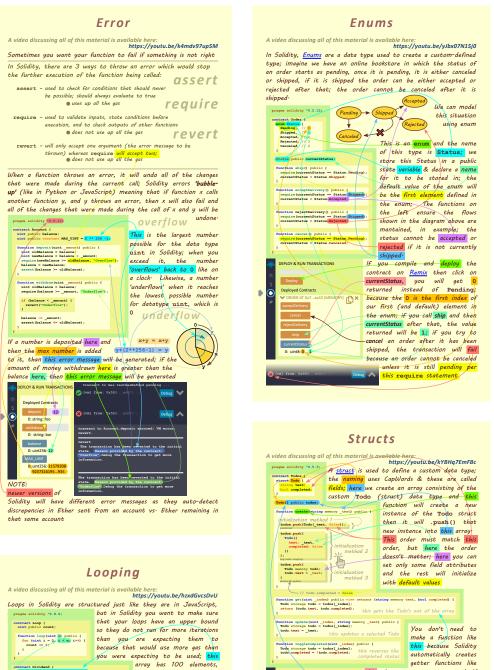
itself (1) then search from right

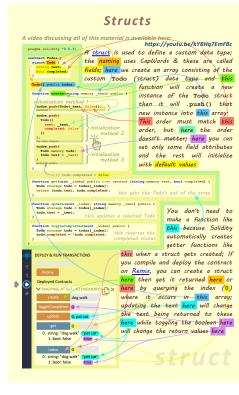
event keyword and are capitalized by convention; you can pass parameters that you want the

parameters that you want the event to log in the most baselike contract where the event is found and those parameters will get passed to the more Admixed contracts downstream









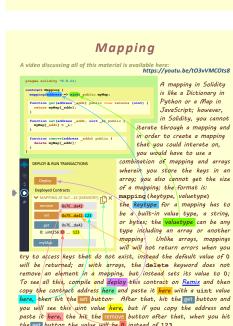
Enums

contract on Remix then click on currentStatus, you will get 0
currentStatus, you will get 0
because the 0 is the first index of our first (and default) element in

the enum; if you call <mark>ship</mark> and then

currentStatus after that, the value

returned will be 1; if you try to



open like this where you can have unlimited iteration

unction getLength() public return myArray length;

Arrays

arrays are declared with type, accessability, and name; they can be either dynamically sized like this or fixed sized like this; the actual

size (for the latter case) is defined inside the brackets (in this ase, size = <mark>10</mark>) once the size of the array has been declared, it

and the number of elements in it ca

In Solidity, there are three

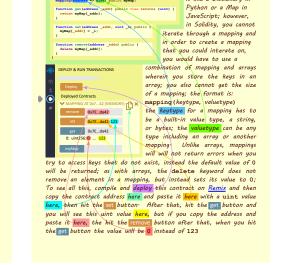
push() is a function that adds an element to the end of an array, pop() is

the last element in the

Solidity does not have an unshift()

element's value to 0; to keep arrays

or or splice() method like
JavaScript, so a custom function will be





Learn Solidity (0.5) by Examples

Smart Contract Programmer

github.com/Richard-Burd/solidity-sandbox last updated @ 2:23pm on 4/August/2021 by Richard Burd rick.a.burd@gmail.com

