





<ul> <li>Main skill you're learning: given a problem, <i>find</i> an <i>apply</i> appropriate solutions</li> <li>Often involves reviewing <i>examples</i> and <i>slides</i></li> <li>Includes reading/understanding documentation</li> </ul>	nd
<ul> <li>Learning good organization, documentation, problem-solving techniques</li> <li>Good to consider why those are best practices</li> </ul>	
<ul> <li>Make sure you understand what is happening in examples</li> <li>Copy and execute the code</li> <li>Modify the code and execute it to see how your modifications change the execute</li> </ul>	
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## **Takeaway**

- When you pass lists into functions as actual parameters, the actual parameter can be changed within the function because lists are *mutable*
- When you pass immutable data types (e.g., strings, ints, floats, ...) as actual parameters into functions, the actual parameters cannot be changed.

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## PROGRAMMATICALLY TESTING FUNCTIONS

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# • How does this way of testing compare to what you'd normally do? • What are the tradeoffs?









