

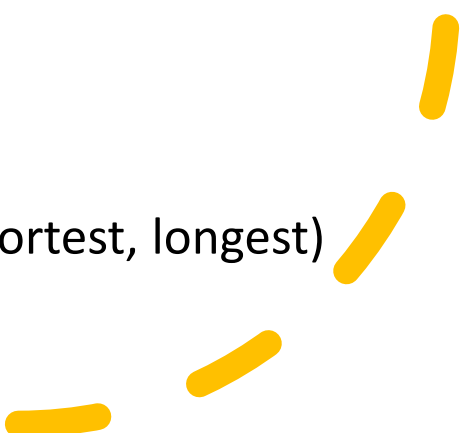
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Chapter 7

Highlights

- One-way decisions (If)
- Two-way decisions (if else)
- Multiway decisions (if elif elif else)
- Sequential decisions (if if if if)
- Exception Catching (try except finally)
- Design Pattern: find lowest (highest, longest, shortest...)

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Demos 1 of 2

- Note the many demonstrations that were discussed in the lecture video:
 - Simple decision
 - Two-way decision
 - Multi-way decision
 - Multi-way extended decision
 - Lookup
 - Lookup in function
 - Nested decision inline
 - Nested decision in function
 - Try-Except block
 - Try-Except block with called code
 - Raising exceptions in your own code
 - Pattern for finding the lowest (highest, shortest, longest)
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Demos 2 of 2

- **Demonstrate multi-faceted input validation:**
 - Using sequential IFs
 - Factoring the sequential IFs into a handy function
 - Returning a list of messages to report all validation errors to the user in a single pass

