







The Purpose of Higher-Order Functions
Functions are first-class: Functions can be manipulated as values in our programming language.
Higher-order function: A function that takes a function as an argument value or returns a function as a return value
Higher-order functions:
• Express general methods of computation
• Remove repetition from programs
• Separate concerns among functions
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Environments Enable Higher-Order Functions!

Functions as arguments:

Our current environment model handles that!

We'll give an example of how

Functions as return values:

We need to extend the model a little

Functions need to know where they were defined

Almost everything stays the same

















