

- Chapter 1 – Fundamentals
 - Setting and Swapping
 - Print -52 to 1066
 - Don't Worry, Be Happy
 - Multiples of Three – but Not All
 - Printing integers with While
 - You Say It's Your Birthday
 - Leap Year
 - Print and Count
 - Multiples of Six
 - Counting, the Dojo Way
 - What Do You Know?
 - Whoa, That Sucker's Huge...
 - Countdown By Fours
 - Flexible Countdown
 - The Final Countdown
 - Countdown
 - Print and Return
 - First Plus Length
 - Values Greater than Second
 - Values Greater than Second, Generalized
 - This Length, That Value
 - Fir the First Value
 - Fahrenheit to Celsius
 - Celsius to Fahrenheit
 - Only Keep the Last Few
 - Math Help
 - Poor Kenny
 - What Really Happened?
 - Soaring IQ
 - Letter Grade
 - More Accurate Grades
 - Short Answer Questions: Fundamentals
 - Weekend Challenge: Fundamentals
- Chapter 2 – Fundamentals, Part II
 - Sigma
 - Factorial
 - Star Art
 - Character Art
 - Threes and Fives
 - Generate Coin Change
 - Messy Math Mashup

- Twelve-Bar Blues
- Fibonacci
- Sum to One Digit
- Clock Hand Angles
- Is Prime
- Rockin' the Dojo Sweatshirt
- Clock Hand Angles, Revisited
- Extract-o-matic
- Most Significant Digit
- Gaming Fun(damentals)
- Statistics Until Doubles
- Claire is Where?
- Date, on a Deserted Island
- Short Answer Questions: Fundamentals, Part II
- Weekend Challenge: Fundamentals, Part II
- Chapter 3 – Arrays
 - Array: Push Front
 - Array: Insert At
 - Array: Pop Front
 - Array: Remove At
 - Array: Swap Pairs
 - Array: Remove Duplicates
 - Array: Min to Front
 - Array: Reverse
 - Array: Rotate
 - Array: Filter Range
 - Array: Concat
 - Skyline Heights
 - Array: Remove Negatives
 - Array: Second-to-Last
 - Array: Nth-to-Last
 - Array: Second-Largest
 - Array: Nth-Largest
 - Credit Card Validation
 - Array: Shuffle
 - Array: Remove Range
 - Intermediate Sums
 - Double Trouble
 - Zip It
 - Short Answer Questions: Arrays
 - Weekend Challenges: Arrays
- Chapter 4 – Strings And Associative Arrays

- Remove Blanks
- String: Get Digits
- Acronyms
- Count Non-Spaces
- Remove Shorter Strings
- String: Reverse
- Remove Even-Length Strings
- Integer to Roman Numerals
- Roman Numerals to Integer
- Parens Valid
- Braces Valid
- String: Is Palindrome
- Longest Palindrome
- Is Word Alphabetical
- D Gets Jiggy
- Common Suffix
- Book Index
- Drop the Mike
- Coin Change with Object
- Max/Min/Average with Object
- Zip Arrays into Map
- Invert Hash
- Array: Number of Values (without .Length)
- String.concat
- String.slice
- String.trim
- String.split
- String.search
- Short Answer Questions: Strings and Associative Arrays
- Weekend Challenge: Strings and Associative Arrays
- Chapter 5 – Linked Lists
 - List: Add Front
 - List: Contains
 - List: Remove Front
 - List: Front
 - SList: Length
 - SList: Display
 - SList: Max
 - SList: Min
 - SList: Average
 - SList: Back
 - SList: Remove Back

- SList: Add Back
- SList: Move Min to Front
- SList: Move Max to Back
- SList: Prepend Val
- SList: Append Val
- Create SList (prompt)
- SList: Remove Val
- SList: Split on Value
- SList: Remove Negatives
- SList: Concat
- SList: Partition
- SList: Second to Last Value
- SList: Delete Given Node
- SList: Copy
- SList: Filter
- SList: Second Largest Value
- Duplicates SList
- Zip SLists
- Dedupe SList Without Buffer
- Chapter 6 – Queues and Stacks
 - SLQueue: Enqueue
 - SLQueue: Front
 - SLQueue: Is Empty
 - SLQueue Compare Queues
 - SLQueue: Dequeue
 - SLQueue: Contains
 - SLQueue: Size
 - SLQueue: Remove Min
 - SLQueue: Interleave Queue
 - ArrStack: Push
 - ArrStack: Top
 - ArrStack: Is Empty
 - ArrStack: Pop
 - ArrStack: Contains
 - ArrStack: Size
 - SLStack: Push
 - SLStack: Top
 - SLStack: Is Empty
 - SLStack: Pop
 - SLStack: Contains
 - SLStack: Size
 - Compare Stacks

- Stack: Copy
- Create Queue Using Two Stacks
- Queue: Is Palindrome
- Stack / Queue Code-Sharing
- Deque: Implementation
- Stack: Remove Stack Min
- CirQueue: Front
- CirQueue: Is Empty
- CirQueue: Is Full
- CirQueue: Size
- CirQueue: Enqueue
- CirQueue: Dequeue
- CirQueue: Contains
- CirQueue: Grow
- Reorder Absolute Queue
- Stack: Partition
- Stack: Is Sorted
- Stack: Switch Pairs
- Stack: Mirror
- Weak Finger
- Short Answer Questions: Queues and Stacks
- Chapter 7 – Arrays, Part II
 - Array: Average (Warmup)
 - Balance Point
 - Balance Index
 - Taco Truck
 - Array: Binary Search
 - Min of Sorted-Rotated
 - String: Binary Search
 - Array: Flatten
 - Array: Remove Duplicates
 - Array: Mode
 - Array: Buffer Copy
 - Smarter Sum
 - Faster Factorial
 - Fancy Fibonacci
 - Tricky Tribonacci
 - Median of Sorted Arrays
 - Time to English
 - Missing Value
 - Rain Terraces
 - Last Digit of A to the B

- Matrix Search
 - Max of Subarray Sums
- Chapter 8 – Linked Lists, Part II
 - SList: Reverse
 - SList: Kth-Last Node
 - SList: Is Palindrome
 - SList: Shift Right
 - SList: Sum Numerals
 - SList: Setup Loop
 - SList: Flatten Children
 - SList: Unflatten Children
 - SList: Has Loop
 - SList: Break Loop
 - SList: Loop Start
 - SList: Number of Nodes
 - Where's the Bug? (SList version)
 - DList Class
 - DList: Prepend Value
 - DList: Kth-to-Last Value
 - DList: Is Valid
 - DList: Palindrome
 - DList: Loop Start
 - DList: Append Value
 - DList: Delete Middle Node
 - DList: Partition
 - DList: Reverse
 - DList: Break Loop
 - DList: Repair
 - Short Answer Questions: DLists
- Chapter 9 – Recursion
 - Recursive Sigma
 - Recursive Factorial
 - Flood Fill
 - Recursive Fibonacci
 - Recursive "Tribonacci"
 - Paging Dr. Ackermann
 - Zibonacci
 - Recursive Binary Search
 - Greatest Common Factor
 - Tarai
 - String: In-Order Subsets
 - Recursive List Length

- Got Any Grapes?!?
- Collatz-apalooza
- Telephone Words
- Rising Squares
- Binary String Expansion
- String Anagrams
- Climbing Stairs
- Sum of Squares
- All Valid N Pairs of Parens
- Towers of Hanoi
- IP Addresses
- Uneven Digits
- Generate All Possible Coin Change
- Is Chess Move Safe
- Eight Queens
- All Safe Chess Squares
- N Queens
- Where's the Bug? (recursion version)
- Chapter 10 – Strings, Part II
 - String to Word Array
 - Reverse Word Order
 - Longest Word
 - Unique Words
 - String: Rotate String
 - Censor
 - String: is Rotated (Is Rotation)
 - Bad Characters
 - Genetic Marker
 - Optimal Sequence
 - String: Dedupe
 - Index of First Unique Letter
 - Unique Letters
 - Num to String
 - Num to Text
 - String: Is Permutation (Is Permutation)
 - String: All Permutations
 - String: Is Pangram
 - String: Is Perfect Pangram
 - Best Time to Buy and Sell Stock
 - Are Strings Loosely Interleaved
 - All Loosely Interleaved Strings
 - Make String Palindrome (Remove One)

- Make String Palindrome (Add One)
- String Encode
- String Decode
- Shortener
- String.search with Regex