Java Cheat Sheet

# Useful Links

OS Overview: <https://www.tutorialspoint.com/operating_system/os_overview.htm>  
Big-O:

<http://bigocheatsheet.com/>  
<http://www.corejavainterviewquestions.com/idiots-guide-big-o/>  
<https://www.youtube.com/watch?v=VIS4YDpuP98>  
<https://justin.abrah.ms/computer-science/how-to-calculate-big-o.html>  
<https://www.codecademy.com/en/courses/big-o/0/2>  
   
MIT Algorithms: <https://www.youtube.com/watch?v=JPyuH4qXLZ0&list=PL8B24C31197EC371C>

# Algorithms

## Binary Search

Link: <http://www.cs.toronto.edu/~reid/search/bincode.html>

Code:



# Fibonacci numbers

Link: http://www.tutorialgateway.org/fibonacci-series-in-java/

Code:

### Using WHILE loop



### Using FOR loop



### Using RECURSION



# Factorial

Link: <http://www.programmerinterview.com/index.php/general-miscellaneous/java-method-calculate-factorial/>  
<http://www.javawithus.com/programs/factorial>  
Code:

### Using FOR loop

### Using RECURSION

# Find Min/Max in array

Link: <http://stackoverflow.com/questions/18828091/how-to-get-the-minimum-maximum-value-of-an-array>  
Code:

MAX

  
MIN

  
By sorting the array, the first index will be the lowest number and the last index would be the highest number



# Find Prime Number

Link: <http://www.introprogramming.info/intro-java-book/read-online/glava6-cikli/>  
Code:  


# Looping HashMap

Link: <http://javarevisited.blogspot.com/2011/12/how-to-traverse-or-loop-hashmap-in-java.html>  

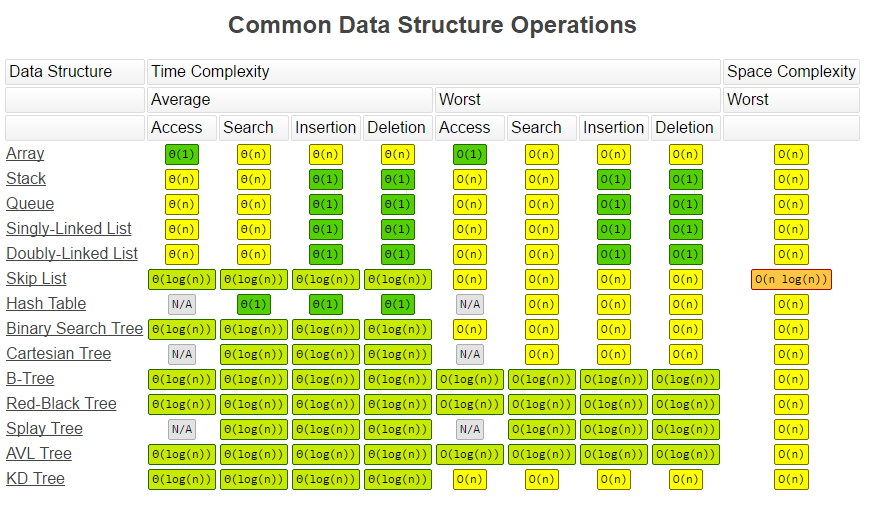


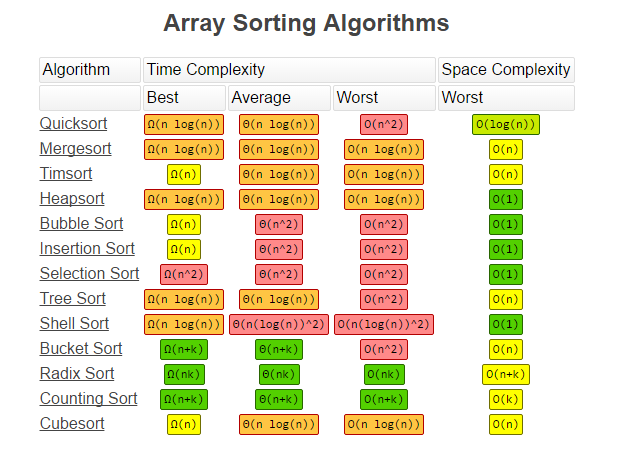



# Big – O

## Cheat Sheet





## Insertion sort

Link: http://adrianmejia.com/blog/2014/02/13/algorithms-for-dummies-part-1-sorting/  
  
