

Java Algorithms

Course Objective:

The objective of the course is to provide more intermediate coders with a knowledgeable understanding of several types of useful algorithms in Java. Participants will leave with knowledge of how to create and apply these algorithms to real life situations.

Course Outline:

- ❖ Lesson 1 - Search and Sort
 - Review of classes and arrays
 - Search and sort methods including bubble sorts and binary searches
- ❖ Lesson 2 - Pathfinding 1
 - Dijkstra's
 - A*
- ❖ Lesson 3 - Pathfinding 2
 - RRT
 - D*
- ❖ Lesson 4 - Compression
 - Lossy Compression
 - Lossless Compression
- ❖ Lesson 5 - Dynamic Programming
 - Recursion vs. Dynamic
 - Simple applications
 - AI

Contact Us:

contact@brilliolearning.com