Data Structures And Algorithms In Java

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Data structure means arrangement of data in a system’s memory. The characteristic of data structure includes Array, Ordered Array, Stack, Queue, Linked list, Binary tree, Red Black tree, 2-3-4 tree, Hash table, Heap and Graph. Each of these characteristics of data structures has its own advantages and disadvantages. Algorithm means manipulating the data in these structures in different ways. The important algorithm category is sorting the data. There are several ways to sort the data. Recursion is an important concept in designing certain algorithm. Course Objectives. Computer science students and anyone who is interested in learning about the Data structures and Algorithms in Java can also take up this course. Requirements. You need to have a basic knowledge in programming.