

Queue in Java

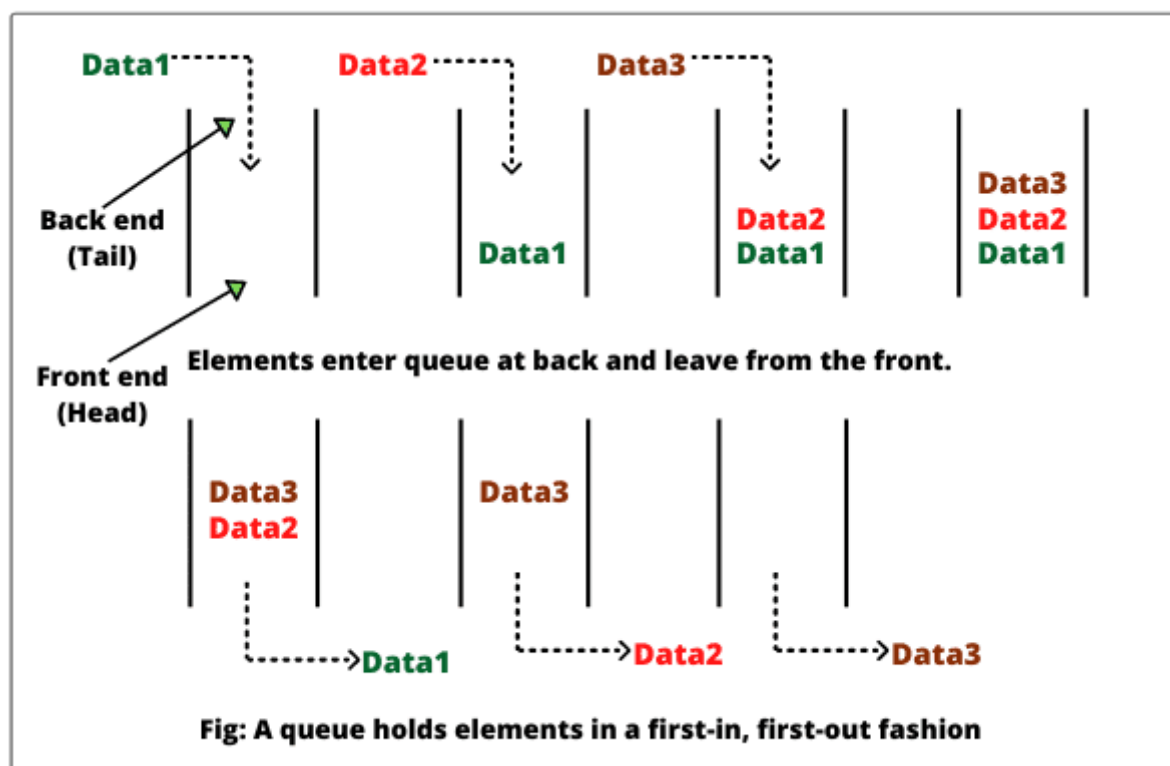
A **Queue in Java** is a collection of elements that implements the “**First-In-First-Out**” order.

In simple words, a queue represents the arrangement of elements in the first in first out (FIFO) fashion.

That means an element that is stored as a first element into the queue will be removed first from the queue. That is, the first element is removed first and last element is removed at last.

Java Collection Framework added Queue interface in Java 5.0. It is present in `java.util.Queue`

For this reason, a queue is a **first-in, first-out (FIFO) data structure**. The operations of inserting and removing elements are called **enqueue** and **dequeue**.



An element that is added to the end of the queue will remain on the queue until all the elements in front of it have been removed.

This process is similar to the “line” or “queue” of customers waiting for service. Customers are serviced in the order in which they arrive in the queue.

