**LinkedList push() and pop() methods – Java**

[**JAVA.UTIL PACKAGE**](http://beginnersbook.com/category/java-util-package/)

**Description**

Programs to demonstrate push and pop operations on LinkedList.

**LinkedList.push(E e)**

public void push(E e): Inserts the element at the front of the list.

**Example:**

import java.util.LinkedList;

class LinkedListExample {

public static void main(String[] args) {

// Create a LinkedList of Strings

LinkedList<String> list = new LinkedList<String>();

// Add few Elements

list.add("Jack");

list.add("Robert");

list.add("Chaitanya");

list.add("kate");

// Display LinkList elements

System.out.println("LinkedList contains: "+list);

// push Element the list

list.push("NEW ELEMENT");

// Display after push operation

System.out.println("LinkedList contains: "+list);

}

}

**Output:**

LinkedList contains: [Jack, Robert, Chaitanya, kate]

LinkedList contains: [NEW ELEMENT, Jack, Robert, Chaitanya, kate]

**LinkedList.pop()**

public E pop(): Removes and returns the first element of the list.

**Example:**

import java.util.LinkedList;

class LinkedListPopDemo{

public static void main(String[] args) {

// Create a LinkedList of Strings

LinkedList<String> list = new LinkedList<String>();

// Add few Elements

list.add("Jack");

list.add("Robert");

list.add("Chaitanya");

list.add("kate");

// Display LinkList elements

System.out.println("LinkedList before: "+list);

// pop Element from list and display it

System.out.println("Element removed: "+list.pop());

// Display after pop operation

System.out.println("LinkedList after: "+list);

}

}

**Output:**

LinkedList before: [Jack, Robert, Chaitanya, kate]

Element removed: Jack

LinkedList after: [Robert, Chaitanya, kate]