**package** linkedlist;

**public** **class** Linkedlist {

**static** **class** Node {

**int** data;

Node next;

**public** Node(**int** data) {

**this**.data = data;

next = **null**;

}

}

Node head;

**public** **void** delete(**int** key) {

**if** (head == **null**) {

**return**;

}

**if** (head.data == key) {

head = head.next;

**return**;

}

Node curr = head;

Node prev = **null**;

**while** (curr != **null** && curr.data != key) {

prev = curr;

curr = curr.next;

}

**if** (curr != **null**) {

prev.next = curr.next;

}

}

**public** **void** printList() {

Node curr = head;

**while** (curr != **null**) {

System.***out***.print(curr.data + " ");

curr = curr.next;

}

}

**public** **static** **void** main(String[] args) {

Linkedlist list = **new** Linkedlist();

list.head = **new** Node(1);

list.head.next = **new** Node(2);

list.head.next.next = **new** Node(1);

list.head.next.next.next = **new** Node(4);

System.***out***.print("Linked list before deletion: ");

list.printList();

list.delete(1);

System.***out***.print("\nLinked list after deletion: ");

list.printList();

}

}

