class Task {

int taskId;

String taskName;

String status;

Task next;

Task(int taskId, String taskName, String status) {

this.taskId = taskId;

this.taskName = taskName;

this.status = status;

this.next = null;

}

@Override

public String toString() {

return taskId + " - " + taskName + " - Status: " + status;

}

}

public class TaskManagement {

private Task head;

public void addTask(Task newTask) {

if (head == null) {

head = newTask;

} else {

Task current = head;

while (current.next != null) {

current = current.next;

}

current.next = newTask;

}

}

public Task searchTask(int taskId) {

Task current = head;

while (current != null) {

if (current.taskId == taskId) {

return current;

}

current = current.next;

}

return null;

}

public void deleteTask(int taskId) {

if (head == null) return;

if (head.taskId == taskId) {

head = head.next;

return;

}

Task current = head;

while (current.next != null && current.next.taskId != taskId) {

current = current.next;

}

if (current.next != null) {

current.next = current.next.next;

}

}

public void displayTasks() {

Task current = head;

while (current != null) {

System.out.println(current);

current = current.next;

}

}

public static void main(String[] args) {

TaskManagement management = new TaskManagement();

management.addTask(new Task(1, "Design Database", "Pending"));

management.addTask(new Task(2, "Develop API", "In Progress"));

management.displayTasks();

System.out.println("Searching Task with ID 2:");

System.out.println(management.searchTask(2));

management.deleteTask(1);

management.displayTasks();

}

}

OUTPUT:

