#include <iostream>

#include <queue>

class JobQueue {

private:

std::queue<int> jobs;

public:

// Function to add a job to the queue

void addJob(int job) {

jobs.push(job);

std::cout << "Job " << job << " added to the queue." << std::endl;

}

// Function to delete a job from the queue

void deleteJob() {

if (!jobs.empty()) {

int deletedJob = jobs.front();

jobs.pop();

std::cout << "Job " << deletedJob << " deleted from the queue." << std::endl;

} else {

std::cout << "Queue is empty. No job to delete." << std::endl;

}

}

// Function to display the current jobs in the queue

void displayQueue() {

if (!jobs.empty()) {

std::cout << "Current jobs in the queue: ";

std::queue<int> tempQueue = jobs;

while (!tempQueue.empty()) {

std::cout << tempQueue.front() << " ";

tempQueue.pop();

}

std::cout << std::endl;

} else {

std::cout << "Queue is empty." << std::endl;

}

}

};

int main() {

JobQueue jobQueue;

// Adding jobs to the queue

jobQueue.addJob(1);

jobQueue.addJob(2);

jobQueue.addJob(3);

// Displaying the current state of the queue

jobQueue.displayQueue();

// Deleting a job from the queue

jobQueue.deleteJob();

// Displaying the updated state of the queue

jobQueue.displayQueue();

return 0;

}

**OUTPUT**

Job 1 added to the queue.

Job 2 added to the queue.

Job 3 added to the queue.

Current jobs in the queue: 1 2 3

Job 1 deleted from the queue.

Current jobs in the queue: 2 3