#include <iostream>

using namespace std;

class Customer {

public:

int id;

string name;

int tickets;

Customer\* next;

Customer(int i, string n, int t) {

id = i;

name = n;

tickets = t;

next = nullptr;

}

};

class Queue {

public:

Customer\* front;

Customer\* rear;

Queue() {

front = rear = nullptr;

}

void enqueue(int id, string name, int tickets) {

Customer\* newCustomer = new Customer(id, name, tickets);

if (!rear) {

front = rear = newCustomer;

return;

}

rear->next = newCustomer;

rear = newCustomer;

}

void dequeue() {

if (!front) {

cout << "Queue is empty\n";

return;

}

Customer\* temp = front;

front = front->next;

if (!front) rear = nullptr;

delete temp;

}

void display() {

Customer\* temp = front;

while (temp) {

cout << "ID: " << temp->id << ", Name: " << temp->name << ", Tickets: " << temp->tickets << endl;

temp = temp->next;

}

}

~Queue() {

while (front) dequeue();

}

};

int main() {

Queue q;

q.enqueue(1, "Ali", 2);

q.enqueue(2, "Sara", 4);

q.enqueue(3, "Ahmed", 1);

cout << "Current Queue:\n";

q.display();

q.dequeue();

cout << "\nAfter Serving One Customer:\n";

q.display();

return 0;

}