***Q-Write a program to implement First Come First Serve (FCFS) job scheduling algorithm.***

#include <iostream>

#include <vector>

using namespace std;

struct Process {

int id;

int arrivalTime;

int burstTime;

};

void fcfsScheduling(vector<Process>& processes) {

int currentTime = 0;

for (const auto& process : processes) {

cout << "Process " << process.id << ": Waiting Time = " << max(0, currentTime - process.arrivalTime) << ", Turnaround Time = " << currentTime + process.burstTime - process.arrivalTime << endl;

currentTime = max(currentTime, process.arrivalTime) + process.burstTime;

}

}

int main() {

vector<Process> processes = {

{1, 0, 5},

{2, 1, 3},

{3, 2, 8},

{4, 3, 6}

};

fcfsScheduling(processes);

return 0;

}