package projectOs;

import java.util.LinkedList;

import java.util.List;

public class queue {

private int size\_of\_queue;

private int time\_avalible\_on\_cpu;

public LinkedList<process> my\_queue;

public queue(int size\_of\_queue, int time\_avalible\_on\_cpu) {

this.my\_queue=new LinkedList<>();

this.size\_of\_queue = size\_of\_queue;

this.time\_avalible\_on\_cpu = time\_avalible\_on\_cpu;

}

// this constructor is for the LTS queue , waiting queues (they doennot have size,time on cpu)

public queue() {

this.my\_queue = new LinkedList<>();

}

public int getTime\_avalible\_on\_cpu() {

return time\_avalible\_on\_cpu;

}

public void enqueue (process p){

my\_queue.addLast(p);

}

public process dequeue (){

return my\_queue.removeFirst();

}

public boolean is\_queue\_full(){

return my\_queue.size() >= this.size\_of\_queue;

}

public boolean is\_queue\_empty(){

return my\_queue.isEmpty();

}

public void add\_all\_process\_sorted (List<process> s){

my\_queue.addAll(s);

}

public process get\_first\_element(){

return my\_queue.getFirst();

}

}