Chris Banci

ID: 010031304

February 5, 2016

Stacks #2 - Homework

public boolean isEmpty1() {

if(top1 == -1){

return true;

}

else {

return false;

}

}

public boolean isEmpty2() {

if(top2 == size) {

return true;

}

else {

return false;

}

}

public boolean isFull() {

if (top + 1 == top2) {

return true;

}

else {

return false;

}

}

public void clear1(){

for (int i = 0; i < top1; i++) {

item[i] = 0;

}  
}

public void clear2() {

for (int i = top2; < size; i++) {

item[[i] = 0;

}

}

public void push1(int x) {

if (!isFull) {

item[top1++] = x;

}

else {

System.out.println("Overflow - stack1 is full");

}

}

public void push2(int x) {

if (!isFull) {

item[top2++] = x;

}

else {

System.out.println("Overflow - stack2 is full”);

}

}

public int pop1() {

if (!isEmpty1) {

int x = item[top1--];

return x;

}

else {

System.out.println("Underflow - stack1 is empty”);

return -1;

}

}

public int pop2() {

if (!isEmpty2) {

int x = item[top2++];

return x;

}

else {

System.out.println("Underflow - stack1 is empty”);

return -1;

}

}