import java.util.Stack;

public class EvaluateReversePolishNotation { public int evalRPN(String[] tokens) { int returnValue = 0;

String operators = "+-\*/";

Stack<String> stack = new Stack<String>();

for(String t : tokens){ if(!operators.contains(t)){ stack.push(t);

}

else

{

int a = Integer.valueOf(stack.pop());

int b = Integer.valueOf(stack.pop());

int index = operators.indexOf(t);

switch(index){

case 0:

stack.push(String.valueOf(a+b));

break;

case 1:

stack.push(String.valueOf(b-a));

break;

case 2:

stack.push(String.valueOf(a\*b));

break;

case 3: stack.push(String.valueOf(b/a));

break;

}

}

}

returnValue = Integer.valueOf(stack.pop()); return returnValue;

}

}