**package** prefix.algoritmi;

**import** java.io.\*;

**import** java.util.\*;

**public** **class** Prefix {

**static** Boolean operand(**char** c)

{

// Ako vpisaniot znak e broj togas toj mora da bide operand

**if** (c >= 48 && c <= 57)

**return** **true**;

**else**

**return** **false**;

}

**static** **double** evaluacijaPrefix(String izraz)

{

Stack<Double> Stack = **new** Stack<Double>();

**for** (**int** j = izraz.length() - 1; j >= 0; j--) {

// Push na operand

**if** (*operand*(izraz.charAt(j)))

Stack.push((**double**)(izraz.charAt(j) - 48));

**else** {

// Pop na dva elementi od Stack

**double** o1 = Stack.peek();

Stack.pop();

**double** o2 = Stack.peek();

Stack.pop();

**switch** (izraz.charAt(j)) {

**case** '+':

Stack.push(o1 + o2);

**break**;

**case** '-':

Stack.push(o1 - o2);

**break**;

**case** '\*':

Stack.push(o1 \* o2);

**break**;

**case** '/':

Stack.push(o1 / o2);

**break**;

}

}

}

**return** Stack.peek();

}

/\* Driver program to test above function \*/

**public** **static** **void** main(String[] args)

{

String izraz = "-15\*30";

System.***out***.println(*evaluacijaPrefix*(izraz));

}

}