Lab 04 – Pre/Post ++/-- & short-hand (+=, -=, \*=, /=, %=) në Java

Faza 1

public class PrePostWarmup {

public static void main(String[] args) {

int x = 5;

System.out.println(x++); // printon 5, x bëhet 6

System.out.println(++x); // x bëhet 7, printon 7

System.out.println(x--); // printon 7, x bëhet 6

System.out.println(--x); // x bëhet 5, printon 5

int y = x++ + ++x;

System.out.println("x final = " + x);

System.out.println("y = " + y);

}

}

Faza 2

public class ShorthandBasics {

public static void main(String[] args) {

int a = 10;

a += 5;

System.out.println("a = " + a);

a \*= 2;

System.out.println("a = " + a);

a -= 4;

System.out.println("a = " + a);

a /= 2;

System.out.println("a = " + a);

a %= 3;

System.out.println("a = " + a);

String s = "Bileta: ";

int n = 3;

s += n;

System.out.println(s);

int p = 5;

p /= 2;

System.out.println("p = " + p);

double q = 5;

q /= 2;

System.out.println("q = " + q);

}

}

Faza 3

public class MixPrePostShorthand {

public static void main(String[] args) {

int k = 3;

int r = ++k \* 2 + k++ - 1;

System.out.println("r = " + r);

System.out.println("k pas shprehjes = " + k);

int m = 8;

m += ++k;

m \*= k--;

System.out.println("m = " + m);

System.out.println("k pas operacioneve = " + k);

int t1 = 10 + ++k \* 2;

int t2 = (10 + ++k) \* 2;

System.out.println("t1 = " + t1);

System.out.println("t2 = " + t2);

}

}

Faza 4

import java.util.Scanner;

public class TicketCounter {

public static void main(String[] args) {

final int CMIM\_BILETE = 40;

Scanner scanner = new Scanner(System.in);

System.out.print("Shkruaj numrin fillestar të biletave: ");

int biletaFillestare = scanner.nextInt();

System.out.print("Shitje paradite: ");

int shitje1 = scanner.nextInt();

System.out.print("Shitje pasdite: ");

int shitje2 = scanner.nextInt();

System.out.print("Bonus ditor? (true/false): ");

boolean bonusDitor = scanner.nextBoolean();

int stok = biletaFillestare;

System.out.println("\nStok fillestar: " + stok);

stok -= shitje1;

System.out.println("Shitje paradite: " + shitje1 + " → stok: " + stok);

stok -= shitje2;

System.out.println("Shitje pasdite: " + shitje2 + " → stok: " + stok);

int totalBiletaShitura = 0;

totalBiletaShitura += shitje1;

totalBiletaShitura += shitje2;

double teArdhura = totalBiletaShitura \* CMIM\_BILETE;

System.out.println("Totali i biletave të shitura: " + totalBiletaShitura);

System.out.println("Të ardhurat bruto: " + teArdhura);

if (bonusDitor) {

double bonus = teArdhura \* 0.05;

teArdhura += bonus;

System.out.println("Bonus 5% i aplikuar: " + bonus);

}

System.out.println("\nTë ardhurat neto: " + teArdhura);

System.out.println("Raporto (lek, i rrumbullakuar): " + (int)Math.round(teArdhura));

scanner.close();

}

}

Faza 5

I gabuari

public class FixTheBugs {

public static void main(String[] args) {

int v = 10;

System.out.println(v++ + ++v); // shpjego vlerën përfundimtare të v

v += 2\*; // gabim

v --; // hapësira e panevojshme

double d = 5;

d/=2; // pritshmëria?

System.out.println("v=" + v + ", d=" + d)

}

}

I korrigjuari

public class FixTheBugs {

public static void main(String[] args) {

int v = 10;

System.out.println(v++ + ++v);

v += 2 \* 1;

v--; //

double d = 5;

d /= 2;

System.out.println("v = " + v + ", d = " + d);

}

}