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public class Ex1a_bool {
    public static void main(String args[]) {
        int A, B, C, D;
        boolean r;
        A = Lire.i();
        B = Lire.i();
        C = Lire.i();
        D = Lire.i();
        r = A <= B && B <= C && C <= D;
        System.out.println(r);
    }
}

public class Ex1b_bool {
    public static void main(String args[]) {
        double x;
        boolean r;
        x = Lire.d();
        r = (x >= 2 && x < 4) || (x >= 7 && x <= 10);
        System.out.println(r);
    }
}

public class Ex1c_bool {
    public static void main(String args[]) {
        double A, B, x, y;
        boolean r1, r2, r3;
        System.out.print("A = ");
        A = Lire.d();
        System.out.print("B = ");
        B = Lire.d();
        System.out.print("x = ");
        x = Lire.d();
        System.out.print("y = ");
        y = Lire.d();
        r1 = x >= -1 && x <= 1 && y >= -1 && y <= 1;
        r2 = (x >= -1 && x <= 1) || (y >= -1 && y <= 1);
        r3 = (x <= A && y <= B) || (x >= A && y >= B);
        System.out.println("Le point est " + (r1 ? "dans" : "en dehors de")
+
            " la region (i).");
        System.out.println("Le point est " + (r2 ? "dans" : "en dehors de")
+
            " la region (ii).");
        System.out.println("Le point est " + (r3 ? "dans" : "en dehors de")
+
            " la region (iii).");
    }
}

public class Ex2_dessin {
    public static void main(String args[]) {
        int n, i, j;
        System.out.print("n = ");
        n = Lire.i();
        for(i = 0; i < n; i++) {
            for(j = 0; j < n - i; j++) {

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        System.out.print("* ");
    }
    System.out.println();
}
for(i = 0; i < n; i++) {
    for(j = 0; j < n - i; j++) {
        System.out.print(" ");
    }
    for(j = 0; j < i + 1; j++) {
        System.out.print("* ");
    }
    System.out.println();
}
}
}

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public class Ex3_transports {
    public static void main(String args[]) {
        int i, pers, max, nm, nd;
        pers = 0;
        max = 0;
        for(i = 1; i <= 12; i++) {
            System.out.println("Arret no. " + i);
            System.out.print("Combien de personnes descendent ? ");
            nd = Lire.i();
            System.out.print("Combien de personnes montent ? ");
            nm = Lire.i();
            pers = pers - nd + nm;
            if(pers > max) {
                max = pers;
            }
        }
        System.out.println("Maximum : " + max);
    }
}

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public class Ex4_monnaies {
    public static void main(String args[]) {
        char p1, p2, c1, c2;
        double m1, me, m2;
        double t1, t2;
        while(true) { /* Cette boucle repond a la question c. */
            System.out.println("a. Allemagne");
            System.out.println("e. Espagne");
            System.out.println("f. France");
            System.out.println("i. Italie");
            System.out.println("q. quitter");
            System.out.print("Conversion de : ");
            p1 = Lire.c();
            if(p1 == 'q') {
                break; /* Sortir de la boucle. */
            }
            switch(p1) {
                case 'a':
                    c1 = 'M';
                    t1 = 1.95583;
                    break;
                case 'e':

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        c1 = 'P';
        t1 = 166.386;
        break;
    case 'f':
        c1 = 'F';
        t1 = 6.55957;
        break;
    case 'i':
        c1 = 'L';
        t1 = 1936.27;
        break;
    default:
        System.out.println("Je ne connais pas ce pays.");
        continue;
        /* Il faut interrompre le deroulement du programme,
        * faute de quoi les valeurs de c1 et t1 seront
        * aberrantes. On pourrait aussi mettre tout le reste
        * dans un gros if. */
    }
    /* Toute cette partie sert pour la question b. */
    System.out.print("Montant : ");
    m1 = Lire.d();
    System.out.print("Vers : ");
    p2 = Lire.c();
    switch(p2) {
        case 'a':
            c2 = 'M';
            t2 = 1.95583;
            break;
        case 'e':
            c2 = 'P';
            t2 = 166.386;
            break;
        case 'f':
            c2 = 'F';
            t2 = 6.55957;
            break;
        case 'i':
            c2 = 'L';
            t2 = 1936.27;
            break;
        default:
            System.out.println("Je ne connais pas ce pays.");
            continue;
    }
    /* Reponses finales aux questions a et b. */
    me = m1 / t1;
    m2 = me * t2;
    System.out.println(m1 + " " + c1 + " = " + me + " Euro");
    System.out.println(m1 + " " + c1 + " = " + m2 + " " + c2);
    System.out.println();
}
}
}

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