

nov 28, 10 9:39

exemples3.txt

Page 1/6

```
//-----
// exemples3.txt

//-----
// Ex1.java

class Ex1 {
    public static void main(String[] args) {
        int[] t;
        t = new int[3];
        t[0] = 7;
        t[1] = -12;
        t[2] = 3;
        System.out.println(t[0]);
        System.out.println(t[1]+" "+t[2]);
    }
}

/*
java Ex1
7
-12 3
*/

//-----
// Ex2.java

class Ex2 {
    public static void main(String[] args) {
        int[] t;
        t = new int[5];

        t[0] = 1;
        t[1] = -2;
        t[2] = 7;
        t[3] = 12;
        t[4] = 8;

        System.out.print("Voici t : ");
        for (int i=0; i<t.length; i++)
            System.out.print(t[i]+" ");
        System.out.println();
    }
}

/*
java Ex2
Voici t : 1 -2 7 12 8
*/

//-----
// Ex3.java

class Ex3 {
    public static void main(String[] args) {
        int[] t = {1, -2, 7, 12, 8};

        System.out.print("Voici t : ");
        for (int i=0; i<t.length; i++)
            System.out.print(t[i]+" ");
        System.out.println();
    }
}
```

nov 28, 10 9:39

exemples3.txt

Page 2/6

```
}

/*
java Ex3
Voici t : 1 -2 7 12 8
*/

//-----
// Ex3bis.java

class Ex3bis {
    public static void main(String[] args) {
        int[] t;
        t = new int[5];
        t[2] = 7;
        t[3] = 12;
        t[2]++;
        t[3] = t[2] + 10;
        System.out.print("Voici t : ");
        for (int i=0; i<t.length; i++)
            System.out.print(t[i]+" ");
        System.out.println();

        int[] u = {1, -2, 7, 12, 8};
        System.out.print("Voici u : ");
        for (int i=0; i<u.length; i++)
            System.out.print(u[i]+" ");
        System.out.println();

        System.out.print(t[t.length]);
    }
}

/*
java Ex3bis
Voici t : 0 0 8 18 0
Voici u : 1 -2 7 12 8
Exception in thread "main" java.lang.ArrayIndexOutOfBoundsException: 5
at Ex3bis.main(Ex3bis.java:23)
*/

//-----
// Ex3ter.java

class Ex3ter {
    public static void main(String[] args) {
        int[] t;
        t[2] = 7;
    }
}

/*
javac Ex3ter.java
Ex3ter.java:7: variable t might not have been initialized
t[2] = 7;
^
1 error
*/

//-----
// Ex4Memoire.java
```

nov 28, 10 9:39

exemples3.txt

Page 3/6

```

class Ex4Memoire {
    public static void main(String[] args) {
        int[] t;
        int m = 8;
        t = new int[5];
        t[1] = 9;
        for (int i=0; i<t.length; i++)
            System.out.print("t["+i+"]="+t[i]+" ");
        System.out.println();
    }
}

/*
java Ex4Memoire
t[0]=0 t[1]=9 t[2]=0 t[3]=0 t[4]=0
*/

//-----
// Ex5.java

class Ex5 {
    public static void main(String[] args) {
        int[] t;
        t = new int[5];
        System.out.println(t);
    }
}

/*
java Ex5
[I@1888759
*/

//-----
// Ex6.java

class Ex6 {
    public static void main(String[] args) {
        int[] t1 = new int[3];
        for (int i=0; i<t1.length; i++)
            t1[i] = i;

        int[] t2 = new int[2];
        for (int i=0; i<t2.length; i++)
            t2[i] = 10 + i;

        System.out.print("Voici t1 : ");
        System.out.print(t1+", ");
        for (int i=0; i<t1.length; i++)
            System.out.print(t1[i]+" ");
        System.out.println();

        System.out.print("Voici t2 : ");
        System.out.print(t2+", ");
        for (int i=0; i<t2.length; i++)
            System.out.print(t2[i]+" ");
        System.out.println();

        t1 = t2;

        System.out.print("Voici t1 : ");
        System.out.print(t1+", ");
    }
}

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nov 28, 10 9:39

exemples3.txt

Page 4/6

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        for (int i=0; i<t1.length; i++)
            System.out.print(t1[i]+" ");
        System.out.println();

        System.out.print("Voici t2 : ");
        System.out.print(t2+", ");
        for (int i=0; i<t2.length; i++)
            System.out.print(t2[i]+" ");
        System.out.println();

        t1[0] = 5;
        System.out.println(t2[0]);

        System.out.print("Voici t1 : ");
        System.out.print(t1+", ");
        for (int i=0; i<t1.length; i++)
            System.out.print(t1[i]+" ");
        System.out.println();

        System.out.print("Voici t2 : ");
        System.out.print(t2+", ");
        for (int i=0; i<t2.length; i++)
            System.out.print(t2[i]+" ");
        System.out.println();
    }
}

/*
java Ex6
Voici t1 : [I@4a5ab2, 0 1 2
Voici t2 : [I@1888759, 10 11
Voici t1 : [I@1888759, 10 11
Voici t2 : [I@1888759, 10 11
5
Voici t1 : [I@1888759, 5 11
Voici t2 : [I@1888759, 5 11
*/

//-----
// Ex7.java

class Ex7 {
    public static void main(String[] args) {
        int[] t1 = new int[3];
        for (int i=0; i<t1.length; i++)
            t1[i] = i;
        System.out.print("Voici t1 : ");
        System.out.print(t1+", ");
        for (int i=0; i<t1.length; i++)
            System.out.print(t1[i]+" ");
        System.out.println();

        int[] t2 = new int[t1.length];
        for (int i=0; i<t2.length; i++)
            t2[i] = t1[i];
        System.out.print("Voici t2 : ");
        System.out.print(t2+", ");
        for (int i=0; i<t2.length; i++)
            System.out.print(t2[i]+" ");
        System.out.println();
    }
}

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nov 28, 10 9:39

exemples3.txt

Page 5/6

```

/*
  java Ex7
  Voici t1 : [I@4a5ab2, 0 1 2
  Voici t2 : [I@1888759, 0 1 2
*/

//-----
// Ex8.java

class Ex8 {
    public static void main(String[] args) {
        String nom = args[0];
        int nbAnnees = Integer.parseInt (args[1]);
        int nbMois = Integer.parseInt(args[2]);
        System.out.println(nom+" a "+(12*nbAnnees+nbMois)+" mois");
    }
}

/*
  java Ex8 Constance 9 7
  Constance a 115 mois
*/

//-----
// Ex9.java

class Ex9 {
    public static void main(String[] args) {
        int[] t = {1, -2, 7, 12, 8};

        System.out.print("Voici t : ");
        for (int i=0; i<t.length; i++)
            System.out.print(t[i]+" ");
        System.out.println();

        int somme = 0;
        for (int i=0; i<t.length; i++)
            somme += t[i];
        System.out.println("Somme des elements de t = "+somme);
    }
}

/*
  java Ex9
  Voici t : 1 -2 7 12 8
  Somme des elements de t = 26
*/

//-----
// Ex10.java

class Ex10 {
    public static void main(String[] args) {
        int[] t = {1, -2, 7, 12, 8};

        System.out.print("Voici t : ");
        for (int i=0; i<t.length; i++)
            System.out.print(t[i]+" ");
        System.out.println();

        int n = Integer.parseInt(args[0]);

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nov 28, 10 9:39

exemples3.txt

Page 6/6

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        boolean b = false;
        for (int i=0; i<t.length; i++)
            if (t[i] == n)
                b = true;
        System.out.println(n+" est-il dans t ? "+b);
    }
}

/*
  java Ex10
  Voici t : 1 -2 7 12 8
  Exception in thread "main" java.lang.ArrayIndexOutOfBoundsException: 0
  at Ex10.main(Ex10.java:13)

  java Ex10 12
  Voici t : 1 -2 7 12 8
  12 est-il dans t ? true

  java Ex10 11
  Voici t : 1 -2 7 12 8
  11 est-il dans t ? false
*/

//-----
// Ex11Memoire.java

class Ex11Memoire {
    public static void main(String[] args) {
        int[] t;
        int n = 2;
        t = new int[n];
        t[1] = n;
        int[] u = t;
        t[0]++;
        n--;
        u[0] = t[n];
        System.out.println(t[n]+" "+u[n]); // ici
        u = new int[t[n]];
        u[n+1]++;
        System.out.println(t[n]+" "+u[n]);
    }
}

/*
  java Ex11Memoire
  2 2
  Exception in thread "main" java.lang.ArrayIndexOutOfBoundsException: 2
  at Ex11Memoire.main(Ex11Memoire.java:16)
*/

//-----

```