

```

public class TwoDimArraysAlt {
    /**/
    public static void main ( String [] arg ) {
        /**/
        int numRows, numCols;
        int [][] a;
        /**/
        a=new int [][] {
            { 1, 2, 3, 4 } ,
            { 5, 6, 7, 8 }
        };
        numRows=a.length;    numCols=a[0].length;
        /**/
        System.out.println();
        for ( int i=0; i<numRows; ++i ) {
            for ( int j=0; j<numCols; ++j ) {
                System.out.print("a[");    System.out.print(i);
                System.out.print("][");    System.out.print(j);
                System.out.print("] = ");    System.out.println(a[i][j]);
            }
            System.out.println();
        }
        /**/
        return;
    }
    /**/
    public TwoDimArraysAlt () { }
}

```