```java
/*Design a Java program to accept a double array- Full. create two more arrays pos,
neg. Check every element of Full array and push the positive
numbers to pos array and negative numbers to neg. Count the number of
positives, negatives and zeros and display.*/
import java.util.Scanner;
class fullarray{
    public static void main(String args[]){
        Scanner ss=new Scanner(System.in);
        int a[][];
        int p=0,q=0;
        int pos[],neg[];
        int k=0,l=0,z=0;
        System.out.println("Enter the number of rows:");
        int m=ss.nextInt();
        System.out.println("Enter the number of columns:");
        int n=ss.nextInt();
        a=new int[m][n];
        System.out.println("Enter the elements:");
        for(int i=0;i<m;i++){
            for(int j=0;j<n;j++){
                System.out.println("a["+i+"]["+j+"]=");
                a[i][j]=ss.nextInt();
            }
        }
        for(int i=0;i<m;i++){
            for(int j=0;j<n;j++){
        if(a[i][j]>0)
                k++;
            if(a[i][j]<0)
                l++;
            if(a[i][j]==0)
                z++;
            }
        }
        pos=new int[k];
        neg=new int[l];
        for(int i=0;i<m;i++){
            for(int j=0;j<n;j++){
                if(a[i][j]>0){
                pos[p]=a[i][j];
                p++;
            }
                if(a[i][j]<0){
                neg[q]=a[i][j];
                q++;
```

File   Edit   Selection   Find   View   Goto   Tools   Project   Preferences   Help

fullarray_posneg.java          operators.java

```java
        int m=ss.nextInt();
        System.out.println("Enter the number of columns:");
        int n=ss.nextInt();
        a=new int[m][n];
        System.out.println("Enter the elements:");
        for(int i=0;i<m;i++){
            for(int j=0;j<n;j++){
                System.out.println("a["+i+"]["+j+"]=");
                a[i][j]=ss.nextInt();
            }
        }
        for(int i=0;i<m;i++){
            for(int j=0;j<n;j++){
        if(a[i][j]>0)
                k++;
                if(a[i][j]<0)
                l++;
            if(a[i][j]==0)
                z++;
            }
        }
        pos=new int[k];
        neg=new int[l];
        for(int i=0;i<m;i++){
            for(int j=0;j<n;j++){
                if(a[i][j]>0){
                pos[p]=a[i][j];
                p++;
            }
            if(a[i][j]<0){
                neg[q]=a[i][j];
                q++;
            }
            }
        }
        System.out.println("The elements of positive array:");
        for(int i=0;i<k;i++)
            System.out.println(pos[i]);
        System.out.println("The elements of negative array:");
        for(int i=0;i<l;i++)
            System.out.println(neg[i]);
        System.out.println("The number of positives is "+k+", number of negatives is "+l+" and number of zeroes is "+z);
    }
}
```

Line 44, Column 31                                                          Tab Size: 4        Java

```
C:\Program Files\Java\bin\basic>javac fullarray_posneg.java

C:\Program Files\Java\bin\basic>java fullarray
Enter the number of rows:
3
Enter the number of columns:
4
Enter the elements:
a[0][0]=
1
a[0][1]=
-2
a[0][2]=
0
a[0][3]=
5
a[1][0]=
-45
a[1][1]=
3
a[1][2]=
50
a[1][3]=
0
a[2][0]=
0
a[2][1]=
-6
a[2][2]=
-8
a[2][3]=
67
The elements of positive array:
1
5
3
50
67
The elements of negative array:
-2
```

```
Enter the elements:
a[0][0]=
1
a[0][1]=
-2
a[0][2]=
0
a[0][3]=
5
a[1][0]=
-45
a[1][1]=
3
a[1][2]=
50
a[1][3]=
0
a[2][0]=
0
a[2][1]=
-6
a[2][2]=
-8
a[2][3]=
67
The elements of positive array:
1
5
3
50
67
The elements of negative array:
-2
-45
-6
-8
The number of positives is 5, number of negatives is 4 and number of zeroes is 3

C:\Program Files\Java\bin\basic>_
```