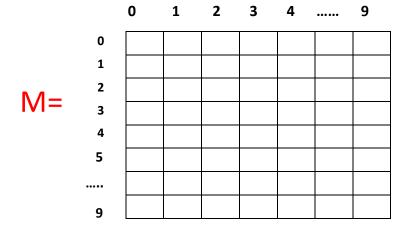
CLASS MATRIZ

ESTRUCTURA

```
public class CMatriz {
    private int M[][]=new int [10][10];
    private int nfil,ncol;
```

cm

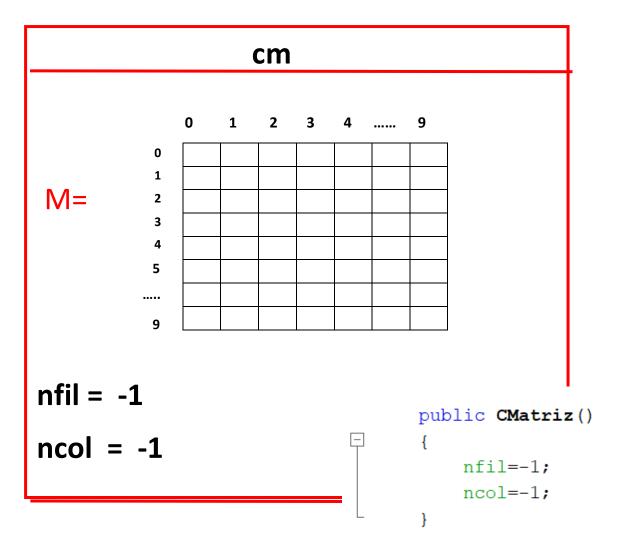


nfil = ?

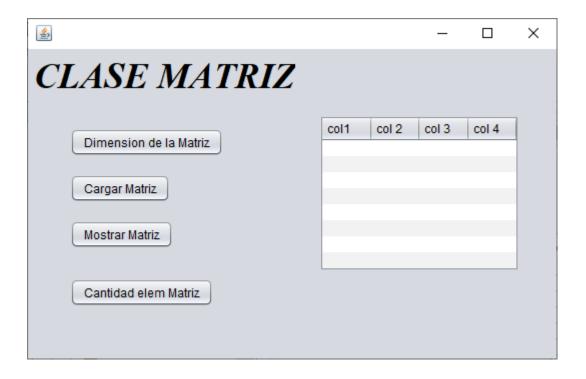
ncol = ?

CONSTRUCTOR

```
Source Design History | 🚱 👼 + 👼 + 💆 🚭 🚭 🚭 🚭 🚭 🚭 🚭 🚭 🚭 📑
 10
      * @author hp
 11
    L */
 12
 13
    public class JFrameMatriz extends javax.swing.JFrame {
 14
 15 □
         /**
          * Creates new form JFrameMatriz
 16
          */
 17
 18
         CMatriz cm;
         public JFrameMatriz() {
 19 📮
 20
             cm = new CMatriz();
 21
            initComponents();
 22
```



COLOCAR DIMENSION



```
Design History | Paragraph | P
```

cm

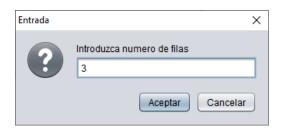
```
nfil = -1
ncol = -1
```

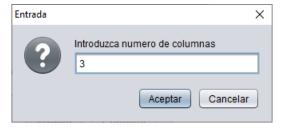
```
public void ColocarDimension()

{
    String Cad="";
    Cad= JOptionPane.showInputDialog("Introduzca numero de filas");
    int numerofil= Integer.parseInt(Cad);

    Cad= JOptionPane.showInputDialog("Introduzca numero de columnas");
    int numerocol=Integer.parseInt(Cad);

    this.SetNfil(numerofil);
    this.SetNcol(numerocol);
}
```





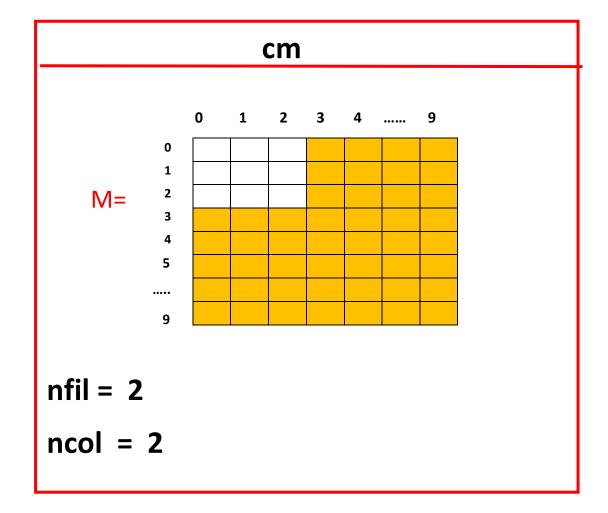
O también podemos directamente asignarle los valores a nfil y ncol:

```
public void ColocarDimension()
{
    String Cad="";
    Cad= JOptionPane.showInputDialog("Introduzca numero de filas");
    int numerofil= Integer.parseInt(Cad);

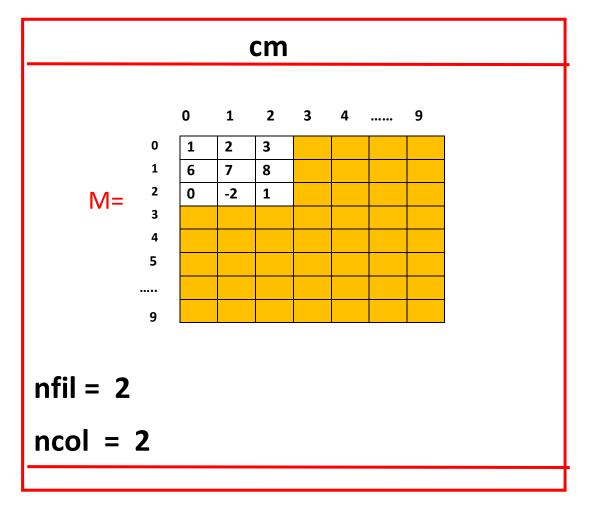
    Cad= JOptionPane.showInputDialog("Introduzca numero de columnas");
    int numerocol=Integer.parseInt(Cad);

    // this.SetNfil(numerofil);
    // this.SetNcol(numerocol);

    nfil= numerofil -1;
    ncol= numerocol -1;
}
```



CARGAR MATRIZ







EN EL SOURCE DEL JFRAME

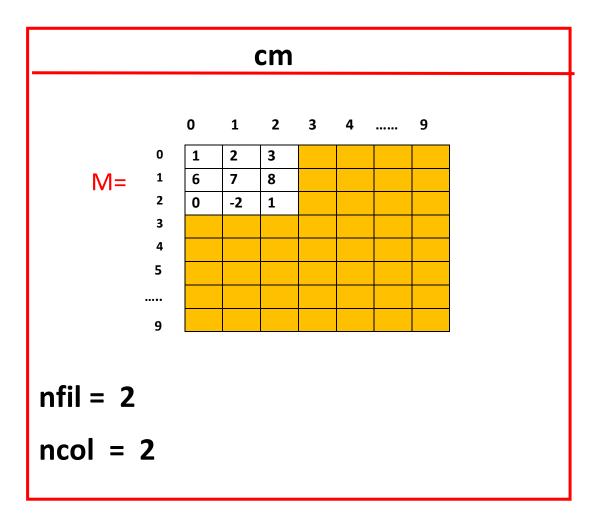
```
private void jButton5ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    cm.CargarMatriz();
}
```

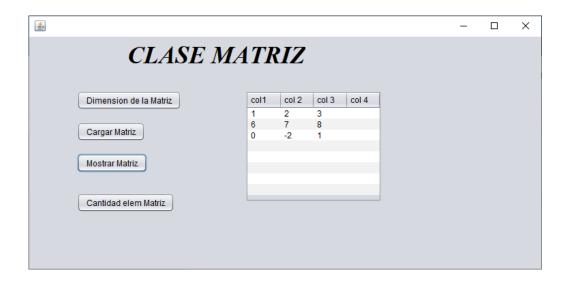
EN LA CLASS

```
public void CargarMatriz()
{
   int x;
    String Cad="";

   for (int i=0;i<=(nfil);i++)
   {
      for (int j=0;j<=(ncol);j++)
      {
            Cad=JOptionPane.showInputDialog("M["+(i+1)+","+(j+1)+"]=");
            x=Integer.parseInt(Cad);
            M[i][j]=x;
      }
}</pre>
```

MOSTRAR MATRIZ

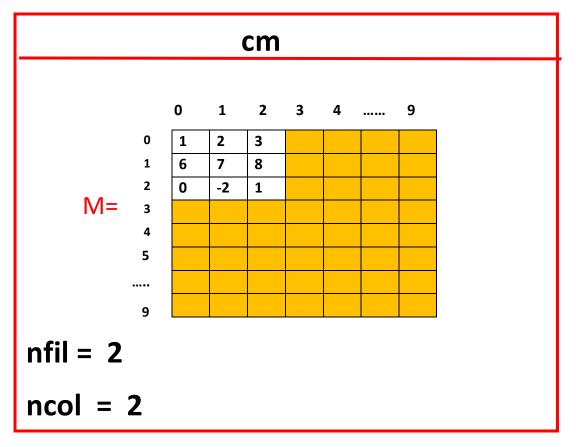




EN LA CLASS

```
public void MostrarMatriz(JTable TM)
{
  int x;
  for (int i=0 ;i<= nfil;i++)
  {
    for (int j=0; j<=ncol;j++)
      {
        x= M[i][j];
        TM.setValueAt(x, i, j);
      }
  }
}</pre>
```

SUMAR ELEMENTOS DE LA MATRIZ



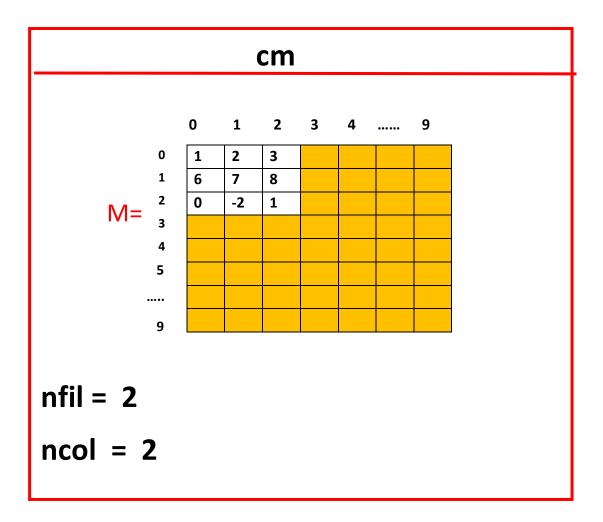
EN EL SOURCE DEL JFRAME

for (int j=0; j<ncol;j++)</pre>

ac=ac+M[i][j];

return ac;

CONTAR ELEMENTOS DE LA MATERIZ



EN EL SOURCE DEL JFRAME

```
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    int cantidadelem=cm.CantElemMatriz();
    JOptionPane.showMessageDialog(rootPane,"La Canti de elem ="+cantidadelem )
}
```

EN LA CLASE

```
public int CantElemMatriz()
{
    return((nfil+1)*(ncol+1));
}
```