Write a C program to check if a given matrix is symmetric or not.

Code-
```c
#include <stdio.h>
int main()
{
 int i,j,m,n,c=0;
 printf("Write no. of rows and columns for the matrix");
 scanf("%d%d",&m,&n);
int a[m][n],b[n][m];
 printf("Write elements of the matrix");
 for(i=0;i<m;i++)
 {
  for(j=0;j<n;j++)
  scanf("%d",&a[i][j]);
 }
if(m==n)
 {
  for(i=0;i<m;i++)
 {
  for(j=0;j<n;j++)
  b[j][i]=a[i][j];
 }
 for(i=0;i<m;i++)
 {
  for(j=0;j<n;j++)
  {
   if(b[i][j]==a[i][j])
   c++;
  }
 }
 if(c==m*n)
 printf("Symmetric matrix");
 else printf("Not a symmetric matrix");
 }
 else printf("Not a symmetric matrix");
 return 0;
 }
```

Input-
Write no. of rows and columns for the matrix2
2
Write elements of the matrix4
1
1
2

Output-
Symmetric matrix