Create a C program to multiply two matrices.

Code-
```c
#include <stdio.h>
int main()
{
 int i,j,m,n,p,q;
 printf("Write no. of rows and columns for 1st matrix");
 scanf("%d%d",&m,&n);
 printf("Write no. of rows and columns for 2nd matrix");
 scanf("%d%d",&p,&q);
 int a[m][n],b[p][q],c[m][q],k;
 printf("Write elements of 1st matrix");
 for(i=0;i<m;i++)
 {
  for(j=0;j<n;j++)
  scanf("%d",&a[i][j]);
 }
 printf("Write elements of 2nd matrix");
 for(i=0;i<p;i++)
 {
  for(j=0;j<q;j++)
  scanf("%d",&b[i][j]);
 }
 if(n==p)
 {
  printf("New matrix-");
  for(i=0;i<m;i++)
 {
  for(j=0;j<q;j++)
  {
   c[i][j]=0;
   for(k=0;k<m;k++)
   c[i][j]=c[i][j]+a[i][k]*b[k][j];
   printf("%d ",c[i][j]);
  }
  printf("\n");
 }
 }
 else printf("Matrix can't be multiplied");
 return 0;
 }
```

Input-
Write no. of rows and columns for 1st matrix2
2

Write no. of rows and columns for 2nd matrix2
2
Write elements of 1st matrix1
2
3
4
Write elements of 2nd matrix5
6
7
8

Output-
New matrix-
19 22
43 50