Write a C program to add two matrices.

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Code-
#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];
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(m==p\&\&n==q)
 int c[m][n];
 for(i=0;i<m;i++)
 for(j=0;j<n;j++)
 c[i][j]=a[i][j]+b[i][j];
printf("New matrix-\n");
for(i=0;i<m;i++)
 for(j=0;j< n;j++)
 printf("%d ",c[i][j]);
 printf("\n");
}
else printf("Matrix can't be added");
return 0;
}
```

Input-

Write no. of rows and columns for 1st matrix2

Write no. of rows and columns for 2nd matrix2
Write elements of 1st matrix2

Write elements of 2nd matrix3

matrix3

matrix3

Output-

New matrix-

5 9

13 17