#include<studio.h>

#include<stdlib.h>

void main()

{

int a[20][20], b=[20][20], c=[20][20], m,n,p,q,i,j,k;

clrscr();

printf(" Enter the Order of 1st matrix:");

scanf("%d,%d",&m,&n);

printf(" Enter the Order of 2nd matrix:");

scanf("%d,%d",&p,&q);

if(n=p)

{

printf(" Enter the elements of 1st matrix:");

for(i=0;i<m;i++)

{

for(j=0;j<n;j++)

{

scanf("%d", &a[i][j]);

}

}

printf(" Enter the elements of 2nd matrix:");

for(i=0;i<p;i++)

{

for(j=0;j<q;j++)

{

scanf("%d", &b[i][j]);

}

}

for(i=0;i<m;i++)

{

printf("\n\n");

for(j=0;j<q;j++)

{

c[i][j]=0;

for(k=0;k<n;k++)

{

c[i][j]=c[i][j]+a[i][k]\*b[k][j];

}

printf("%d\t",c[i][j]);

}

}

}

else

{

printf(" Matrix cannot be multiplied");

}

return 0;

}