

```

1: #include<stdio.h>
2: #include<stdlib.h>
3: int main(){
4:     int i,j,k,mat1[3][3],mat2[3][3],mul[3][3];
5:
6:
7:     printf("Enter the elements of first matrix: ");
8:     for(i=0;i<3;i++){
9:         for(j=0;j<3;j++){
10:             scanf("%d",&mat1[i][j]);
11:         }
12:     }
13:     printf("Enter the elements of second matrix: ");
14:     for(i=0;i<3;i++){
15:         for(j=0;j<3;j++){
16:             scanf("%d",&mat2[i][j]);
17:         }
18:     }
19:
20:
21:     for(i=0;i<3;i++){
22:         for(j=0;j<3;j++){
23:             mul[i][j]=0;
24:             for(k=0;k<3;k++){
25:                 mul[i][j]+=mat1[i][k]*mat2[k][j];
26:             }
27:         }
28:     }
29:     for(i=0;i<3;i++){
30:         for(j=0;j<3;j++){
31:             printf("%d\t",mul[i][j]);
32:         }
33:         printf("\n");
34:     }
35:
36: }

```