

```
1  #include<stdio.h>
2  int main(){
3
4  int i,j,r,c;
5  printf("Enter number of rows : ");
6  scanf("%d", &r);
7
8  printf("Enter number of columns : ");
9  scanf("%d", &c);
10
11 int matrix[r][c],num;
12
13 printf("Enter elements of matrix: \n");
14 for(i=0;i<r;i++){
15     for(j=0;j<c;j++){
16         printf("Enter element for Row: %d and Col: %d = ",i+1,j+1);
17         scanf("%d", &matrix[i][j]);
18     }
19 }
20 printf("Enter number : ");
21 scanf("%d",&num);
22
23 for(i=0;i<r;i++){
24     for(j=0;j<c;j++)
25         matrix[i][j] = num*matrix[i][j];
26 }
27 printf("\n Matrix is: \n\n");
28 for(i=0;i<r;i++){
29     for(j=0;j<c;j++)
30         printf("\t%d",matrix[i][j]);
31
32     printf("\n\n");
33 }
34
35 return 0;
36
37 }
```