**Write a C Program to rotate the matrix by K times.**

#include <stdio.h>

#include <stdlib.h>

int main()

{

int a[100][100],m,n,k,i,j,x,y,z;

printf("Enter The Size Of The Matrix:\n");

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

printf("Enter The Elements Into Matrix:\n");

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

{

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

{

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

}

}

printf("Enter The K Value For Rotation:\n");

scanf("%d",&k);

int f,g;

printf("Matrix Before The Rotation:\n");

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

{

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

{

printf("%d\t",a[f][g]);

}

printf("\n");

}

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

{

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

{

int temp=a[x][0];

for(y=0;y<n-1;y++)

{

a[x][y]=a[x][y+1];

}

a[x][n-1]=temp;

}

}

printf("Matrix After The Rotation:\n");

int c,d;

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

{

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

{

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

}

printf("\n");

}

}

**Output:**

