1. **Write a program to make multiplication of 2-D Matrix**

**Ans=**

**#include<stdio.h>**

**int main ()**

**{**

**int a[20][20],b[20][20],c[20][20];**

**int i,size,j,k;**

**printf("\nenter the size of an array =");**

**scanf("%d",&size);**

**printf("\nMatrix : 1");**

**for(i=0;i<size;i++)**

**{**

**for(j=0;j<size;j++)**

**{**

**printf("\nenter the element =");**

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

**}**

**}**

**printf("\n");**

**printf("\nMatrix : 2");**

**for(i=0;i<size;i++)**

**{**

**for(j=0;j<size;j++)**

**{**

**printf("\nenter the element =");**

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

**}**

**}**

**for(i=0;i<size;i++)**

**{**

**for(j=0;j<size;j++)**

**{**

**c[i][j]=0;**

**for(k=0;k<size;k++)**

**{**

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

**}**

**}**

**}**

**printf("\nMultipication Matrix =\n");**

**for(i=0;i<size;i++)**

**{**

**for(j=0;j<size;j++)**

**{**

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

**}**

**printf("\n");**

**}**

**return 0;**

**}**

**Output =**

**enter the size of an array =2**

**Matrix : 1**

**enter the element =1**

**enter the element =2**

**enter the element =3**

**enter the element =4**

**Matrix : 2**

**enter the element =5**

**enter the element =6**

**enter the element =7**

**enter the element =8**

**Multipication Matrix =**

**19 22**

**43 50**