

```

1 #include<stdio.h>
2 int main()
3 {
4     int a[100][100],r,det;
5     scanf("%d",&r);
6     for(int i=0;i<r;i++)
7     {
8         for(int j=0;j<r;j++)
9         {
10             scanf("%d",&a[i][j]);
11         }
12     }
13     for(int i=0;i<r;i++)
14     {
15
16
17         det=(a[0][0]*(a[2][2]*a[1][1]-a[2][1]*a[1][2]))-(a[0][1]*(a[1][0]*a[2][2]-a[2][0]*a[1][2]))+(a[0][2]*(a[1][0]*a[2][1]-a[1][1]*a[2][0]));
18     }
19     printf("%d",det);
20
21
22 }
23

```

3

1 2 3

5 9 8

5 7 3

-9

Process returned 0 (0x0) execution time : 15.112 s

Press any key to continue.

|

```

1  #include<stdio.h>
2  int main()
3  {
4      int ind,n;
5      int a[100];
6      scanf("%d",&ind);
7      scanf("%d",&n);
8
9      for(int i=0;i<n;i++)
10     {
11         a[i]=i+1;
12         printf("index = %d value = %d \n",i,a[i]);
13     }
14     printf("\n \n");
15     for(int i=ind;i<n-1;i++)
16     {
17         a[i]=a[i+1];
18     }
19     //a[ind]=v;
20     for(int i=0;i<n-1;i++)
21     {
22         printf("index =%d value = %d \n",i,a[i]);
23     }
24 }
25
26

```

"C:\Users\ASUS\OneDrive\De X + v

```

3
5
index = 0 value = 1
index = 1 value = 2
index = 2 value = 3
index = 3 value = 4
index = 4 value = 5

```

```

index =0 value = 1
index =1 value = 2
index =2 value = 3
index =3 value = 5

```

Process returned 0 (0x0) execution time : 3.546 s
Press any key to continue.

```

#include<stdio.h>
int main()
{
    int ind,v,n;
    int a[100];
    scanf("%d %d",&ind,&v);
    scanf("%d",&n);
    for(int i=0;i<n;i++)
    {
        a[i]=i+1;
        printf("index = %d value = %d ",i,a[i]);
    }
    printf("\n \n");
    for(int i=n-1;i>ind;i--)
    {
        a[i+1]=a[i];
    }
    a[ind]=v;
    for(int i=0;i<n;i++)
    {
        printf("index =%d value = %d ",i,a[i]);
    }
}

```

```

"C:\Users\ASUS\OneDrive\De X + v
4
60
10
index = 0 value = 1 index = 1 value = 2 index = 2 value = 3 index
= 3 value = 4 index = 4 value = 5 index = 5 value = 6 index = 6 va
lue = 7 index = 7 value = 8 index = 8 value = 9 index = 9 value =
10
index =0 value = 1 index =1 value = 2 index =2 value = 3 index =3
value = 4 index =4 value = 60 index =5 value = 6 index =6 value =
6 index =7 value = 7 index =8 value = 8 index =9 value = 9
Process returned 0 (0x0) execution time : 34.793 s
Press any key to continue.
|

```

```

1  #include<stdio.h>
2  int main()
3  {
4      int m1,n1,m2,n2,i,j,sum=0;
5      printf("Enter row & column for a matrix = ");
6      scanf("%d %d",&m1,&n1);
7      printf("Enter row & column for b matrix = ");
8      scanf("%d %d",&m2,&n2);
9      int a[100][100],b[100][100],c[100][100];
10     printf("Enter 1st matrix :\n");
11     if(n1==m2){
12         for(i=0;i<m1;i++)
13         {
14             for(j=0;j<n1;j++)
15             {
16                 scanf("%d",&a[i][j]);
17             }
18         }printf("Enter 2nd matrix :\n");
19         for(i=0;i<m2;i++)
20         {
21             for(j=0;j<n2;j++)
22             {
23                 scanf("%d",&b[i][j]);
24             } } printf(" Result matrix : \n");
25         for(i=0;i<m1;i++)
26         {
27             printf("\t");
28             for(j=0;j<n2;j++)
29             {
30                 for(int k=0;k<n1;k++)
31                 {
32                     sum=sum+a[i][k]*b[k][j];
33                 }
34                 c[i][j]=sum;
35                 printf("%d ",c[i][j]);
36                 sum=0;
37             }printf("\n");
38         }}}

```

```

"C:\Users\ASUS\OneDrive\De  X + v
Enter row & column for a matrix = 2 3
Enter row & column for b matrix = 3 2
Enter 1st matrix :
1 2 3
1 2 3
Enter 2nd matrix :
1 2
1 2
1 2
Result matrix :
6 12
6 12

Process returned 0 (0x0)   execution time : 22.011 s
Press any key to continue.

```