1.WAP to read n elements into 2 D Array and print them on screen

Program

```
#include <stdio.h>
void main()
  int a[10][10],i,j,m,n;
  printf("Enter Array Size:");
  scanf("%d%d",&m,&n);
  printf("Enter %d Elements:",m*n);
  for(i=0;i<m;i++)
    for(j=0;j<n;j++)
    scanf("%d",&a[i][j]);
  printf("Array Elements:\n");
  for(i=0;i<m;i++){
    for(j=0;j< n;j++)
  printf("%5d",a[i][j]);
  printf("\n");
  }
2.WAP to read n elements into an 2D Array and find the addition, multiplication, subtraction
     10 20 30
40 50 60
                            3 arrays
      70 80 90
                            a[10][10]
                            b[10][10]
c[10][10]
      4 5 6
7 8 9
     11 22 33
44 55 66
     77 88 99
Program
#include <stdio.h>
void main()
  int a[10][10],b[10][10],c[10][10],i,j,m,n;
  printf("Enter Array Size:");
  scanf("%d%d",&m,&n);
  printf("Enter %d Elements Into Array A:",m*n);
  for(i=0;i<n;i++)
    for(j=0;j< m;j++)
    scanf("%d",&a[i][j]);
  printf("Enter %d Elements Into Array B:",m*n);
  for(i=0;i<n;i++)
    for(j=0;j< m;j++)
    scanf("%d",&b[i][j]);
  for(i=0;i<n;i++)
    for(j=0;j<m;j++)
```

```
c[i][j]=a[i][j]+b[i][j];

printf("Addition of Array is:\n");
for(i=0;i<m;i++){
   for(j=0;j<m;j++)
      printf("%5d",c[i][j]);
   printf("\n");
}</pre>
```

3.WAP to read n number of elements into 2D Array and find the lower diagnol of the array **i>=i**

	0,	1	2
0	1	0	0
1	1	1	0
2	1	1	1
			m==n

```
i j
0 = 0
1 > 0
2 > 0
1 = 1
2 > 1
2 = 2
```

Program

}

```
#include <stdio.h>
void main()
{
  int a[10][10],i,j,m,n;
  printf("Enter Array Size:");
  scanf("%d%d",&m,&n);
  if(m==n)
    for(i=0;i<m;i++)
    for(j=0;j<n;j++)
      {
         if(i>=j)
            a[i][j]=1;
         else
            a[i][j]=0;
    printf("Lower Diagnol Array Is:\n");
    for(i=0;i<m;i++){
       for(j=0;j<n;j++)
         printf("%5d",a[i][j]);
         printf("\n");
    }
  }
    else
       printf("Lower Diagnol array is Possible Only Square matrix");
  }
```