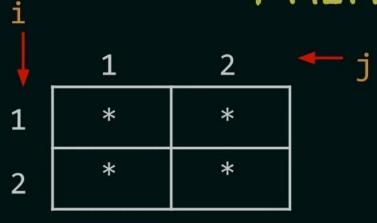
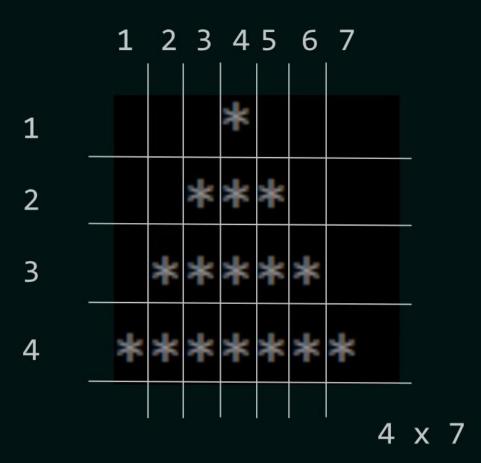
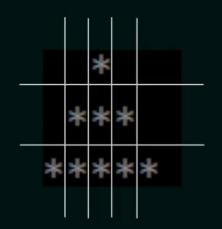
PREREQUISITE: MATRICES



			3	4
1	*	*	*	*
2	*	*	*	*
3	*	*	*	*
4	*	*	*	*

```
for(i = 1; i <= 2; i++)
   for(j = 1; j <= 2; j++)
       printf("*");
for(i = 1; i <= 4; i++)
   for(j = 1; j <= 4; j++)
       printf("*");
```



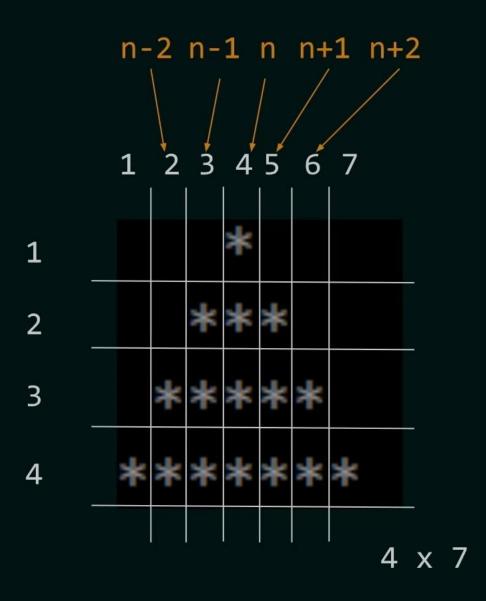


3 rows -> 5 columns
4 rows -> 7 columns
5 rows -> 9 columns
6 rows -> 11 columns

If n is no. of rows

then 2n - 1 will be no. of columns

```
for(i = 1; i <= n; i++)
{
  for(j = 1; j <= 2*n - 1; j++)
  {
  }
}</pre>
```



```
if(j >= n-(i-1) && j <= n+(i-1))
{
    printf("*");
}
else
{
    printf(" ");
}</pre>
```

```
for(i = 1; i <= n; i++)
   for(j = 1; j <= 2*n - 1; j++)
       if(j >= n-(i-1) \&\& j <= n+(i-1))
           printf("*");
       else
           printf(" ");
   printf("\n");
```