Diagonal Traversal

```
a   b   c   d          a  f  k  p
e   f   g   h             b  g  l
i   j   k   l                c  h
m   m   o   p                   d
```

diagonal [gap 5]
[j-i]

00	01	02	03	04	05
10	11	12	13	14	15
20	21	22	23	24	25
30	31	32	33	34	35
40	41	42	43	44	45
50	51	52	53	54	55

i => starts at 0

j = finishes at
arr. GetLength (1)

i & j both increments

1th diagonal [gap 1]

0th diagonal [gap 0]

```
for (int gap = 0; gap< arr.GetLength(1); gap++){

    for(int i=0; j = gap; j < arr.GetLength(1); i++, j++){

        Console. WriteLine (arr[i, j]);

    }

}
```