1. Print pattern like this

```
Example:
Input: 1
Output: 0

Input: 2
Output:
0 0
0 1
1 0
1 1

Input: 3
Output:
0 0 0
0 0 1
0 1 0
0 1 1
1 0 0
1 0 1
1 1 0
1 1 1
```


2. Given an array, find the minimum of all the greater numbers for each element in the array.

```
Sample:
Array : {2, 3, 7, 1, 8, 5, 11}
Output:
{2>3, 3>5, 7>8, 1>2, 8>11, 5>7, 11>}
```

3. Find the largest sum contiguous sub array which should not have negative numbers. We have to print the sum and the corresponding array elements which brought up the
sum.

```
Sample:
Array : {2, 7, 5, 1, 3, 2, 9, 7}

Output:
     Sum : 14
     Elements : 3, 2, 9
```

4. Given a string, change the order of words in the string (last string should come first).
Should use RECURSION

```
Sample:   one two three
Output :  three two one
```

5. Find the extra element and its index

```
Input : [ 10, 20, 30, 12, 5 ]
    [ 10, 5, 30, 20 ]
Output : 12 is the extra element in array 1 at index 4

Input : [ -1, 0, 3, 2 ]
    [ 3, 4, 0, -1, 2 ]
Output : 4 is the extra element in array 3 at index 5
```

6. Given a MxN binary matrix filled with 0's and 1's, find the largest rectangle containing only 1's and return its area.

Sample Input 1:

1 0 1 0 0
1 0 1 1 1
1 1 1 1 1
1 0 0 1 0

Sample Output 1: 6

Sample Input 2:

1 0 1 0 0
1 0 1 1 0
1 1 1 1 1
1 0 0 1 0

Sample Output 2: 4

7. Given a number, convert it into corresponding alphabet.

Input	Output
1	A
26	Z
27	AA
676	ZZZ