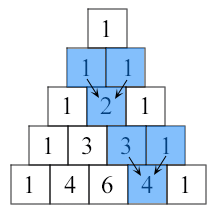
**Python Exercise**

1. Write a Python function to find the Max of three numbers
2. Write a Python function that takes a number as a parameter and check the number is prime or not
3. Write a Python function that checks whether a passed number is palindrome or not.
4. Write a Python function that that prints out the first n rows of the Pascal's triangle.

Note : Pascal's triangle is an arithmetic and geometric figure first imagined by Blaise Pascal.

Sample Pascal's triangle :



1. Write a Python program to solve the Fibonacci sequence using recursion
2. Write a Python program to get the difference between a given number and 17, if the number is greater than 17 return double the absolute difference.
3. Write a Python program to test whether a number is within 100 of 1000 or 2000.
4. Write a Python program to find whether a given number (accept from the user) is even or odd, print out an appropriate message to the user.
5. Write a Python program to test whether a passed letter is a vowel or not.
6. Write a Python program to print all even numbers from a given numbers list in the same order and stop the printing if any numbers that come after 237 in the sequence  
   *Sample numbers list* :

numbers = [

386, 462, 47, 418, 907, 344, 236, 375, 823, 566, 597, 978, 328, 615, 953, 345,

399, 162, 758, 219, 918, 237, 412, 566, 826, 248, 866, 950, 626, 949, 687, 217,

815, 67, 104, 58, 512, 24, 892, 894, 767, 553, 81, 379, 843, 831, 445, 742, 717,

958,743, 527

]

**11.** Write a Python program to find those numbers which are divisible by 7 and multiple of 5, between 1500 and 2700 (both included).

**12.** Write a Python program to construct the following pattern, using a nested for loop.

\*   
\* \*   
\* \* \*   
\* \* \* \*   
\* \* \* \* \*   
\* \* \* \*   
\* \* \*   
\* \*   
\*

**13.** Write a Python program that prints all the numbers from 0 to 6 except 3 and 6.