

1. Write a shell script to display the Pascal Triangle.

```
      1
     1 1
    1 2 1
   1 3 3 1
```

2. Calculate the value of the following series

$$f(x,n)=1+x^2/2!+x^4/4!+\dots+x^{2*n}/(2*n)!$$

Where x is the variable and n is the number of terms.

3. Write a shell script to find the GCD and LCM of a set of numbers. (size of the set and numbers will be provided as command line argument)