

## Assignment 15 – More on Functions

(TSRS: Takes Something Returns Something / TSRN: Takes Something Returns Nothing)

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1. Write a function to calculate LCM of two numbers. (TSRS)
2. Write a function to calculate HCF of two numbers. (TSRS)
3. Write a function to check whether a given number is Prime or not. (TSRS)
4. Write a function to find the next prime number of a given number. (TSRS)
5. Write a function to print first N prime numbers. (TSRN)
6. Write a function to print all Prime numbers between two given numbers. (TSRN)
7. Write a function to print first N terms of the Fibonacci series. (TSRN)
8. Write a function to print Pascal's Triangle. (TSRN)
9. Write a function to print all Armstrong numbers between two given numbers. (TSRN)
10. Write a function to find the sum of the first N terms of the series:  
$$1!/1 + 2!/2 + 3!/3 + 4!/4 + 5!/5 + \dots + N!/N$$
 (TSRS)