



Coding Assignment-1

Q1. Program to find the GCD of n numbers.

Input: n=6
 5 10 25 45 95 65

Output: 5

Q2. Program to print nth Fibonacci number. 0 1 1 2 3 5 8 13 21.....

Input: n=7

Output: 8

Q3. Program to print nth prime number.

Input: n=5

Output: 11

Q4. Program to find sum of the prime factors of a number.

Input: n=100

Output: 2+5=7

Q5. Program to print first n non-fibo numbers. First n numbers not in Fibonacci series. 0 1 1 2 3 5 8 13.....

Input: n=5

Output: 4 6 7 9 10

Q6. Program to convert a number from decimal to binary

Input: 5

Output: 0101

Q7. Program to check whether a number is a Harshad number or not. Harshad Number is an integer that is divisible by the sum of its digits.

Input: 1729

Output: Harshad Number