Use of for loops

Lab Programs

- 1. Print Armstrong numbers from 100 to 999.
- 2. Find the sum of digits of a number until the sum is reduced to 1 digit. Example: 538769->38->11->2
- 3. Check whether a number is prime or not.
- Find the factorial of a number.
- 5. Convert a binary number to a decimal number.

Homework Programs

- 1. Multiply two positive numbers without using * operator.
- 2. Convert a decimal number to its equivalent binary number.
- 3. Find the sum of this series up to n terms 1+2+4+7+11+16+...
- 4. Generate the fibonacci series 1,1,2,3,5,8,13,34,55,89
- 5. Find the LCM and HCF of two numbers.
- 6. An integer n is divisible by 9 if the sum of its digits is divisible by 9. Develop a program to display each digit, starting with the rightmost digit. Your program should also determine whether or not the number is divisible by 9. Test it on the following numbers:

n = 154368

n = 621594

n = 123456

Hint: Use the % operator to get each digit; then use / to remove that digit. So 154368 % 10 gives 8 and 154368 / 10 gives 154368 % 10 gives 8 %