- 1. Write C program to solve the following problems by using loop-
 - (i) Print "Southeast University" for 100 times.
 - (ii) Print all numbers from 1 to 100.
 - (iii) Print all even numbers from 1 to 100.
 - (iv) Print all odd numbers from 1 to 100.
- 2. Find out the sum of each of the following series. n is the input from user for series (iv) to (vi)
 - (i) 1+2+3+....+100
 - (ii) 3 + 11 + 19 + ... + 1691.
 - (iii) $7 + 20 + 33 + \dots$ (up to 100 th term)
 - (iv) 5-11+17-... (up to 75 th term)
 - (v) 1+(1+2)+(1+2+3)+...+(1+2+3+...+n)
 - (vi) $1 + \frac{2^2}{2!} + \frac{3^2}{3!} + \dots + \frac{n^2}{n!}$
 - (vii) 2 * 7 * 12 * ... * 37
- 3. x and n are input through keyboard. Write a program to compute xⁿ, n!, ⁿC_r, ⁿP_r
- 4. Write a program to determine all prime numbers within the range [a ...b] where a & b are input through keyboard.
- 5. Construct the following table. Here n is input from the user.
- 6. Write a program to find out first n perfect number where n is the input from user.
- 7. Write a program to find first n Fibonacci number where n is the input from user.
- 8. Write a program to show the following triangle/rectangle of '*'s or numbers. Take n as input from user to determine the number of rows of the structure. (eg: n = 5)

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9.	Write a program to print out all Armstrong numbers between 1 and 10000. If sum of cubes of each digit of the number is equal to the number itself, then the number is called an Armstrong number. For example, $153 = (1*1*1) + (5*5*5) + (3*3*3)$.