Lab 09/26

1. Please write a program to let user input one integer number (0~127) and then print out the binary representation of that number. You only can use **one variable** in this problem!

Example 1:
Input: 127
Output: 1111111

Example 2:
Input: 35
Output: 0100011

2. Write a program which computes a 3rd-order polynomial function $f(x) = a_3x^3 + a_2x^2 + a_1x + a_0$ where the coefficients and x are defined by the user. Assume all the input values are real numbers and input order is $x \rightarrow a_3 \rightarrow a_2 \rightarrow a_1 \rightarrow a_0$. In addition, you have to solve this problem by **only 3 variables**.

Example:
Input: 1 4 3 2 1
Output: 10.000000

3. Please write a program to print out the reverse order of a five-digit number. You should print the answer as one number, not print each digit separately. And you only can use **one variable** to compete this problem.

Example:
Input: 12345
Output: 54321