1. Take a number n as input and find $n!$
2. Take two integers $x,\ y$ as input.
    a. print “x is divisible by y” as output if that holds. Otherwise print “x is not divisible by y”.
    [Recall that you can use the % operator to get the remainder when one number is divided by another. In particular, n%d evaluates to the remainder when n is divided by d. For example 8%3 is 2 because if you divide 8 by 3, you get a remainder of 2.]
    b. Check whether $x = y^n$ where n is a natural number and $2 < n < 15$. If $x = y^n$, then print n. Otherwise print “could not find n”.

    Input : 64 4
    Output: 3
3.
    a. Take a number n as input and print the number of digits.
    b. Check whether a number is an Armstrong number or not.
    [An Armstrong number is an n-digit number that is equal to the sum of the nth powers of its digits. For Example:

    $407 = 4^3 + 0^3 + 7^3 = 64 + 0 + 343 = 407$]

    [Here assume that the user will always give a 3 digit number as input.]

4. Write a c code to swap the last and second last digit of a number.
5. Write a c code to print the nth Fibonacci number.