

## Section-1

Q. ② C program to swap two numbers with and without using third variable, using pointers, functions (Call by reference) and using bitwise XOR operator. Swapping means inter changing. If the program has two variables  $a$  and  $b$  where  $a = 4$  and  $b = 5$ , after swapping them,  $a = 5$ ,  $b = 4$ . In the first C program, we use a temporary variable to swap two numbers.

### Swapping of two numbers without third variable

You can also swap two numbers without using third variable. In this case C program will be as follows.

To understand the logic, choose the variables ' $a$ ' and ' $b$ ' ~~and~~ as ' $7$ ' and ' $9$ ' respectively, and do according to the program. You can choose any other combination of numbers as well. Sometimes it's an excellent way to understand a program.