Fundamentals of Computer Programming
Lab 13 - Recursion

Solve the following problems from text book:
"Y. Daniel Liang, Introduction to Programming with C++, Pearson Educational Limited 2014."

Chapter 17 "Recursion" – Problems:

What is the return value of the following function when called as F(30, 9);

```cpp
int F(int a, int b)
{
   if (b == 0)
      return a;
   return F(b, a % b);
}
```

What does this function compute?

17.5 Sum series

17.9 Print the characters in a string reversely

17.10 Occurrences of a specified character in a string

17.13 Find the smallest number in an array

17.11 Product of digits in an integer using recursion

17.12 Print the characters in a string reversely (use of a helper function)