Fibonacci Series Algorithm

- Start
- Declare Variable i, a, b, show
- Initialize the variables, a=0, b=1, and show = 0.
- Enter the number of terms of Series to be printed
- print first two term of the Series.
- Use loop for following steps.
  1. show = a+b
  2. a = b
  3. b = show
  4. Increase value of i each time by 1.
  5. print the value of show.

- End.

Algorithm for factorial number.

① Start

② ~~Initialize~~ declare the variables. number, factorial, i.

③ Initialize the variable i=1, factorial=1.

④ Enter the number which factorial to be printed.

⑤ Use for loop from 1 to that number for following operation:

- factorial = factorial * i;

⑥ print the factorial.

⑦ End

Algorithm for "prime or not".

① start

② Declare the variable number, i. ~~flag~~

③ Enter the number for checking prime or not.

④ if number == 0

~~print~~ number is not prime not composite.

else if number == 1

number is not prime

else if number == 2

number is prime

else

Do the following operation:

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(a) Use for loop from 3 to that number - 1.

(b) if number % i == 0 then ~~set flag~~ print not prime & break.
else print prime & break.

(5) End.

Algorithm for largest among 3 number.

1. Start
2. Declare variable num1, num2, num3, large.
3. Enter 3 numbers.
4. ~~If number~~
4. If num1 > num2
   if num1 > num3
   large = num1
   else
   large = num3
   else if num2 > num1
   if num2 > num3
   large = num2
5. print large
6. End