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Purpose: Infinite
Series

System Libraries
iostream
iomanip
cmath

User Libraries
None

Function Prototypes
fctrl(int);

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main

Declare/Initialize
variables
x
fx = 0.0
plusMinus = 1
nterms

Prompt for input
Input x and the number of
terms, output f(x)
x and nterms

Declare and initialize
out of loop
nterms

Declare and initialize
In for loop
term = 1
oddNum = 1

term <= nterms

term++;
oddNum += 2;

fx += plusMinus
*** (pow(x,oddNum)/fctrl(oddNum));**
plusMinus *= -1;

display fx

return 0
exit main

int fctrl(int arg)

Declare & Initialize
Local Variable
fact = 1

Declare Out of loop
0

Declare in for loop
count = arg

return fact

count > 0

count--

fact *= count