This code contains a recursive function foo.

It is getting called start with foo(3)

then recursively called foo(3-1)

then foo(2-1)

then foo(1-1)

now n=0, it finally returned to the previous function call foo(1-1)

it continue executes cout << n << endl; at this time n = 1

1

then move onto foo(1-1), it returned and return back to foo(2-1)

continue executes

2

then continue with foo(2-1),

recursively call foo(1-1), it returned and cout

1

now it is returned back to the statement foo(3-1) and continue cout

3

continue with foo(2-1)

recursively call foo(1-1)

then return at foo(0) and continue to cout

1

return to foo(2-1) and continue to cout

2

continue to execute f(1-1) and cout

1

Thus,

The output is

1

2

1

3

1

2

1