Question 1 | Correct Mark 1.00 out of 1.00 Flag question

Convert the following algorithm into a program and find its time complexity using the counter method.

```
void function (int n)

{
    int i= 1;
    int s =1;
    while(s <= n)
    {
        i++;
        s += i;
    }
}
```

Note: No need of counter increment for declarations and scanf() and count variable printf() statements.

Input:

A positive Integer n

Output:

Print the value of the counter variable

For example:

Input	Result
9	12

Answer: (penalty regime: 0 %)

Reset answer

```
#include<stdio.h>
void function(int);
void function(int n)
{
int c=0;
int i=1;
c++;
int s=1;
c++;
while(s<=n)
{
c++;
i++;
c++;
s+=i;
c++;
}
c++;
printf("%d",c);
}
int main()
{
int n;
scanf("%d",&n);
function(n);
}
```

	Input	Expected	Got	
✔	9	12	12	✔
✔	4	9	9	✔

Passed all tests! ✔

Correct

Marks for this submission: 1.00/1.00.