DAY 1 ASSIGNMENT

Q1. What is the time complexity T(n) for the following code snippet?  
a = 1  
b = 1  
while(b <= n)  
{  
a += 1  
b += 1  
cout<<"Hi";  
}

Answer 1.

O(n)

Question 2 :  
Write the output for the following recursive code snippet for n = 3:  
void fun(int n)  
{  
if(n > 0)  
{  
cout<<n:  
fun(n - 1);  
cout<<n;  
}  
}

Answer 2.

3 2 1

1 2 3