Question 1

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";

}

Ans: n, n, (n+1),n, n for every line or n+2

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 : 322110