## **Day-1 Assignment(DSA)**

## **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) 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;

}

}

**Ans) 321123**