Assignment 1 | 5th August 2021

**Name : Sharwari Ubale**

**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 :

T(n)=O(n) { since, loop executes n times}

**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:

Output of the above code is 321123