**Assignment Day 1 | 24th December 2020**

Question 1

1.) Find the time complexity for the following scenarios

a.) for(i=1;i<=n;i++)

for(j=i;i<=n;j++)

printf("Hi");

Ans:- **O(n2)**

Big O = O(n) + O(n)

= O(n2)

b.) for(i=1;i<=n;i\*=3)

for(j=1;i<=n;j++)

printf("Hello");

Ans:- **O(n)**

Big O = O(log(n)) + O(n)

= O(n)