**ASSIGNMENT 1**

**DSA**

**Questions**

1.) Find the time complexity for the following scenarios

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

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

printf("Hi");

TIME COMPLEXITY t(n) is **O(N^2).**

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

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

printf("Hello");

TIME COMPLEXITY IS t(n) IS **O(logn)**