**Assignment 1 | 4th January 2021**

Name: Rajarshi Lodh

Email: [rajarshilodh@gmail.com](mailto:rajarshilodh@gmail.com)

1.) Find the time complexity for the following scenarios

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

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

printf("Hi");

Answer:- Time complexity: O(n2)

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

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

printf("Hello");

Answer:- Time complexity: O(nlogn)