**DS Algo Essentials | December 2020**

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

**Name : S.Rohit**

**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");**

**Answer : O(n^2)**

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

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

**printf("Hello");**

**Answer : O(nlogn)**