**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:-**

It has two loops so the time complexity will be **O(n^2).**

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

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

**printf("Hello");**

**Ans:-**

It has log and in one of the loop so the time complexity will be **O(n.log3(n)).**