**Day 1 Assignment**

**Submitted By- Divya Agarwal**

**Q1.** **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 . The time complexity will be 0(n^2)**

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

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

**printf("Hello");**

**Ans . The time complexity will be 0(n\*(logn base 3)) or**

**0(nlogn).**