**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: O(n2)

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

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

**printf("Hello");**

**Ans:** O(n2)