**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.>** The time Complexity is O(N\*2)

**b.) for(i=1;i<=n;i\*=3) for(j=1;i<=n;j++) printf("Hello")**

**Ans.>** The time complexity is O(N\*logn)