Questions here

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 -:Time Complexity of this Program is O(n2). Because Outer and inner loop run n \* n times.

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

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

printf("Hello");

Ans-: Complexity of this Program is O (log3 n).