DAY 1

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");

* The time complexity of above code is O(n) .

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

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

printf("Hello");

T(n) = O(logn) x O(n) = O(n logn)

* The time complexity of above code is O(nlogn) .

