

## Assignment Day 1

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### Question 1

1.) Find the time complexity for the following scenarios

a.) `for(i=1;i<=n;i++)`

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

`printf("Hi");`

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

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

`printf("Hello");`

ANSWER:-

A)  $O(n^2)$

B)  $O(\log n)$  or  $O(n^2)$