***DAY 1 ASSIGNMENT***

***Question 1 :***

1. ***Find the time complexity for the following scenarios:***
2. ***for(i=1;i<=n;i++)***

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

***printf("Hi");***

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

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

***printf("Hello");***

***ANSWER:***

1. ***The time complexity of outer for loop is O (n) and the time complexity of inner for loop is O(n) and hence the total time complexity is O(n^2).***
2. ***The time complexity of outer for loop is O(log n) and the inner for loop is O(n).***