**Data Structure and Algorithm**

**Day 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: Tn=O(n^2)

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

{

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

{

printf("Hello");

}

}

Ans: Tn=O(nlogn)