**DATA STRUCTURES AND ALGORITHMS**

**ASSIGNMENT DAY 1**

**Done By:**

**ATHIRA SABU**

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");

**Answer:O(n^2)**

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

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

printf("Hello");

**Answer:O(n)**