**Assignment 1**

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

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

printf ("Hi")

answer: The outer loop executes **n** times and the inner loop executes **n** times so the time complicity is **O(n^2)**

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

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

printf ("Hello")

answer: The outer loop executes **log n** times and the inner loop executes **n** times so the time complicity is **O(n log n)**