



## Data Structure And Algorithms Assignment-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");
```

**Soln:  $O(n^2)$**

```
b) for(i=1; i<=n; i*=3)  
    for(j=1; j<=n; j++)  
        printf("Hello");
```

**Soln :  $O(3n)$**