

ASSIGNMENT DAY -1

Find The Time Complexity for the Following Scenarios :

1.

```
for(i=1;i<=n;i++)  
  for(j=i;i<=n;j++)  
    printf("Hi");
```

Ans. The Time Complexity here is $O(n^2)$

2.

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

Ans. The Time Complexity here is $O(n)$