TIME COMPLEXITY OF

1.

```
for( int i=0;i<=n;i++){
for( int j=0;j<=n;j++){
cout<<"Hi";
}
```

Answer: **Time complexity is O(n^2) as there are two nested loops each running for n times**

2.)

```
for( int i=0;i<=n;i=i*3){
for( int j=0;j<=n;j++){
cout<<"Hello";
}
}
```

Answer: **Time complexity is O(nlogn) as there are two nested loops The outer loop runs for 3^k<n times which is logn and the inner loops runs for n times**