```
ASSIGNMENT DAY ONE
   SABAREESH VISHWANATH KR.
    What is the time complexity of following code.
1 -
    int a=0;
    for (inti=0; i<n; itt)
                                     O(n)
      for (int j=n; j>i; j--)
                                   0(m)
         a = atpitj;
   Ans:
     Time Complexity is O(n^2).
    What is the time complexity of the following code?
     int count = 0;
     for (weint i=1; i<=n; i=i*2)
                                      0(logn)
         for (intj=1;j \le i;j+t), \rightarrow Executes n. limes. <math>O(n)
              count = count +1;
```

Time Complexity >> O(nlogn).