```
Time & space complexity
                                     # times any
                 Time complexity Statement is supporting
                        CPU Time - Execute the code
        Asymtotic Notations Objective -> Lower time
                                           Complexity
4 worst care time complexity (Big-0)
4 average care time complexity (+)
J best case time complexity (_12)
                                   - omega
          Examples
                                N=10
                 for (int i=0; i < m; i++) <
                                                J = 10
               System. out. printh ("Hi") -> 10 times
                      Time complexity = O(n)
```

(100) times

Time complexity = 0 (n2)

## Note:

- 1) Loops in a code
- 2) Bigger Loop
- 3) # times statement is supporting