

# DAY-1

## PROGRAM EFFICIENCY:

Efficient is all about time and space complexity.

## DYNAMIC PROGRAMMING:

In Greedy approach whatever solution for the problem given at first it is fixed as final solution

NOTE: This is not the best approach for all the scenarios however it also works for some cases.

In dynamic programming we will be finding out all the possible solutions out of this best will be picked.

## ASYMPTOTIC NOTATIONS:

Space and time complexity

$O(n)$

Omega

Theta