

Types of Analysis

D'Worst Case - provides an upper bound on running. time guaranteeing that the algorithm would not run longer

Deterage Case - provider a prediction about running time assuming an input is random More realistic but hard to compute!

③ <u>Best case</u> - provides a lower bound on running time on input for which an algorithm runs the fastest.

we use the predominant term (degree of the polynomial) to express running time ex. C'n² where C² = C₂ + C₃

90% of the running time is spent on & 10% of the code!