1. Very important section of this course.
2. Big companies like Google, Facebook, Alibaba, Amazon all know this, which is why we can not get by any of their interviews, any of their phone interviews, any of their screening interviews without encountering this topic.
3. We are going to cover Big O and official term is **Big O Asymptotic Analysis**.
4. See any coder given enough time can solve a problem, what matters is how well the problem is solved.
5. This is where Big O can help us means it call tell how well a problem is solved.
6. We are going to cover
   1. What is Big O?
   2. How we define it?
   3. Then we will use Big O and its different notations to distinguish bad code from the code good and good code to great code.
7. This topic is going to come up again and again when we talk about Data Structure and Algorithms.