## Lecture 1:

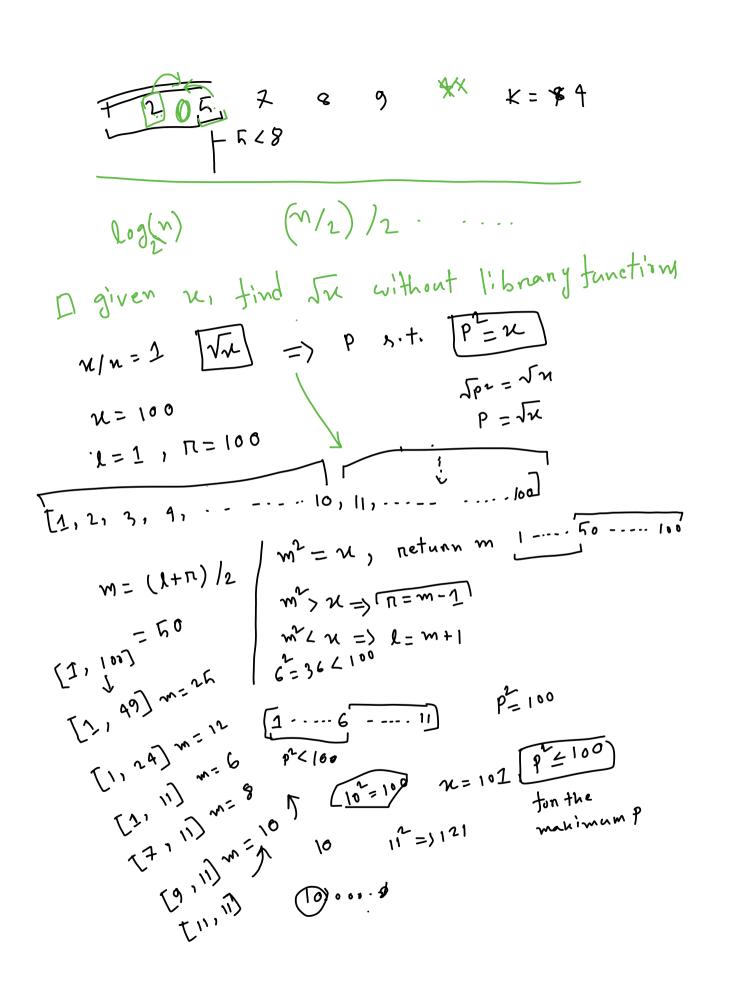
- · Complexity analysis (Time and space)
- · Binary Search

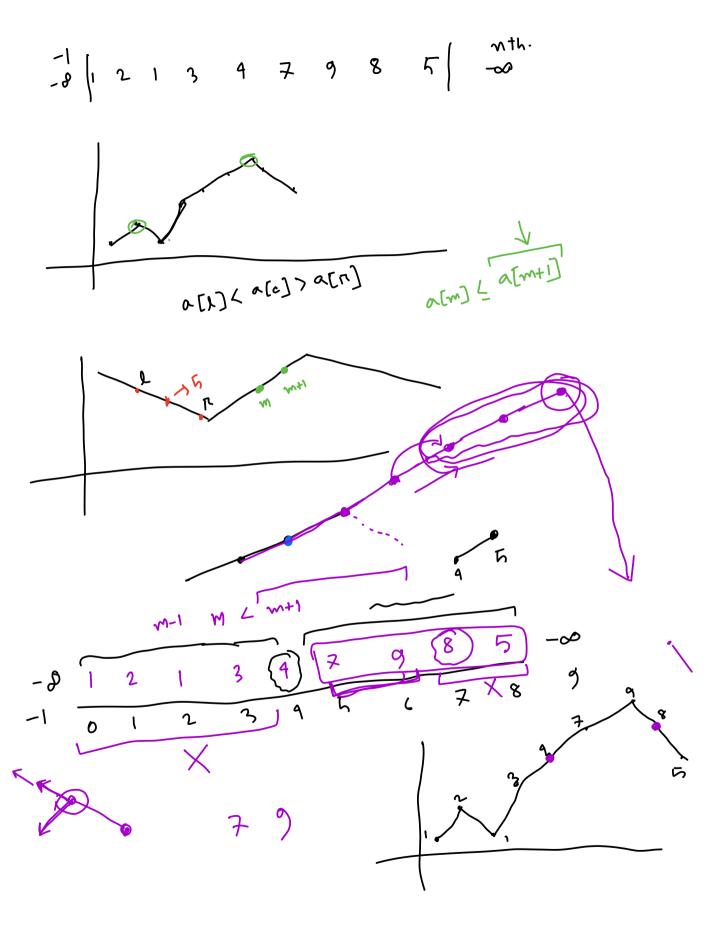
## **Section 1: Complexity Analysis**

$$\frac{1}{\sqrt{n}} = \frac{1}{\sqrt{n+1}} \Rightarrow \frac{1}{$$

**Binary Search:** 

$$1 2 3 7 8 9 \dots$$
 $K = 8$ 





(a 1 b), c -- V) nyz o jammation annue 10000