

Different General Methods in Algorithms Design

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- Short Presentations
- Big picture about methods in algorithms design
- Recursive methods in algorithms
- Application of Programming in the Digital Age!



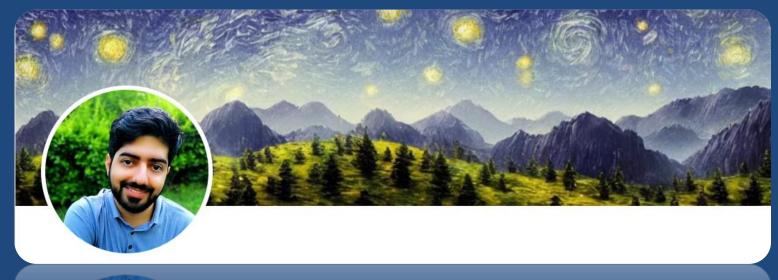
- Short Presentations
- Review the last lecture
- Searching and sorting applications
- Introduction to Searching and sorting algorithms
- Application of Programming in the Digital Age!



Send your feedback about the class whenever you want!



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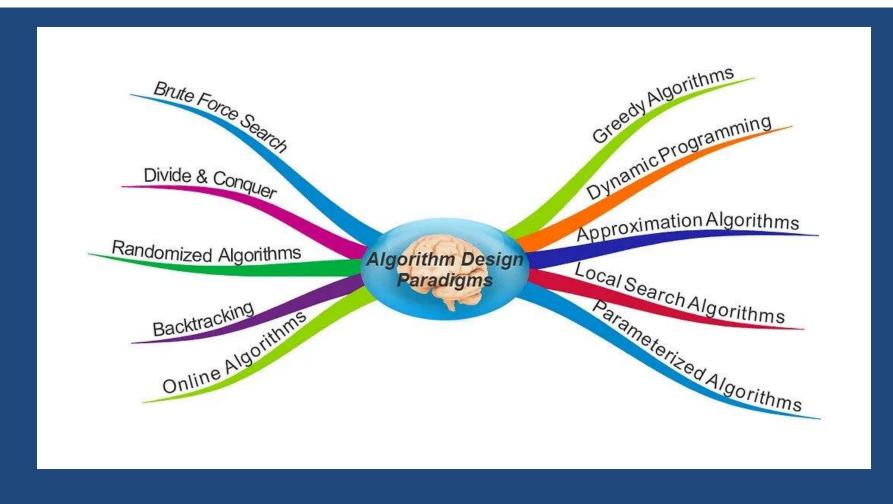


Short Presentations

Review the Last Lecture



Algorithm design paradigms





 We use, as humans, recursive methods in our life. When we want to ready for exam, Think about it...

 What is your idea about example in real life?

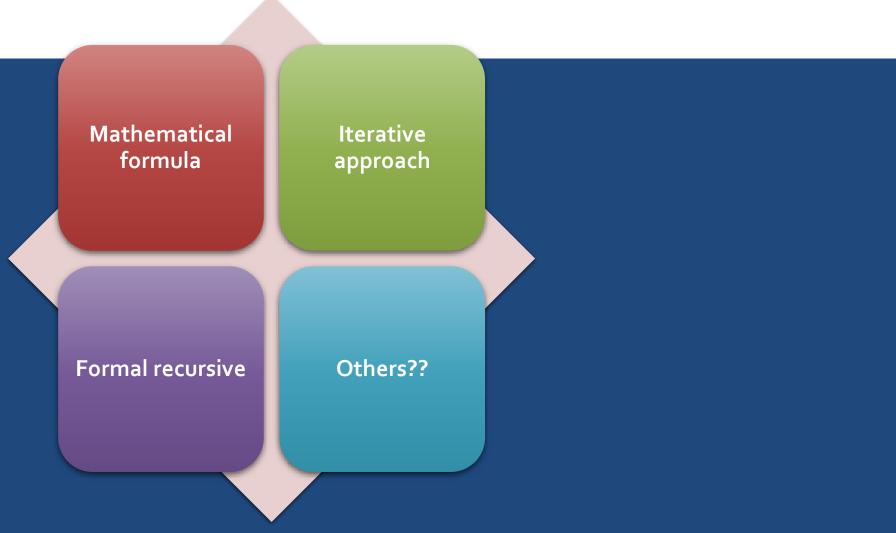
Backtrack

Solve the base

Divide many times

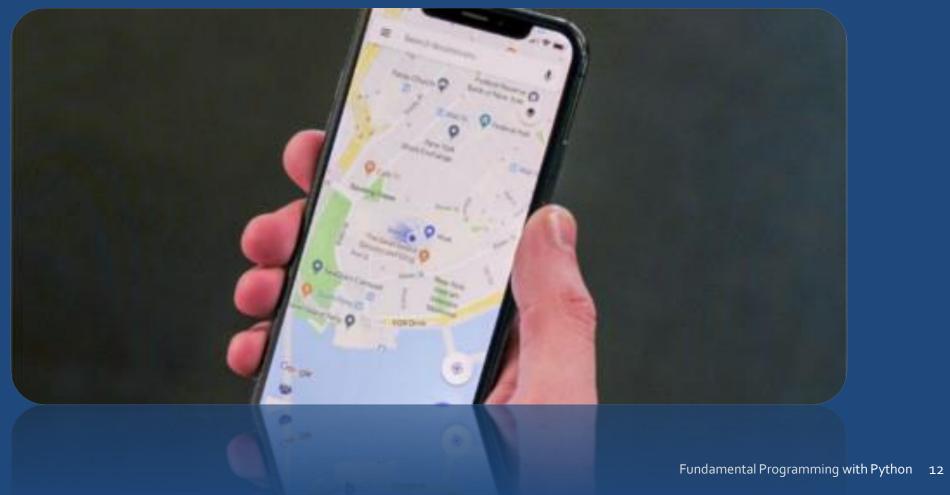


3 attitudes?



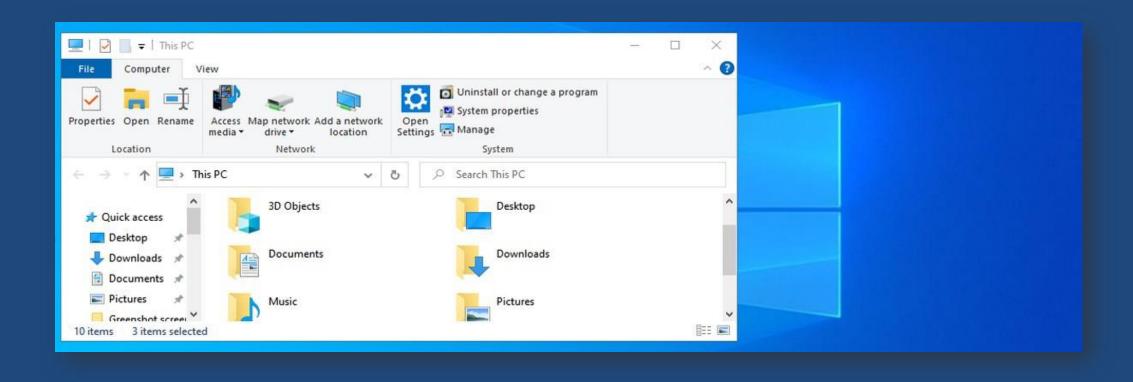
Searching and Sorting Applications





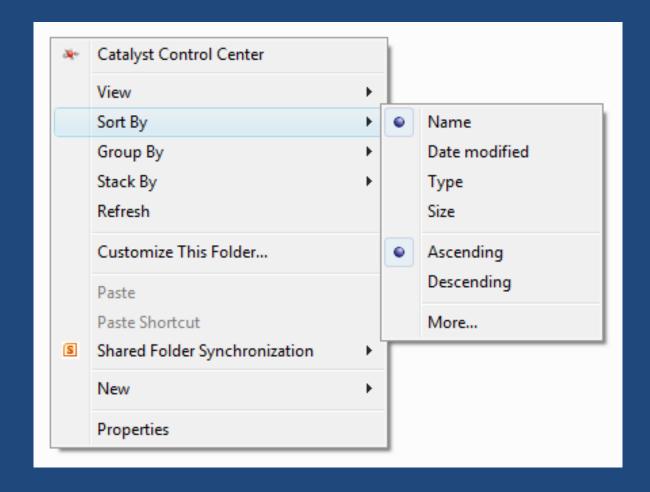


Windows file explorer





Sort By in Windows



Library: sort and search



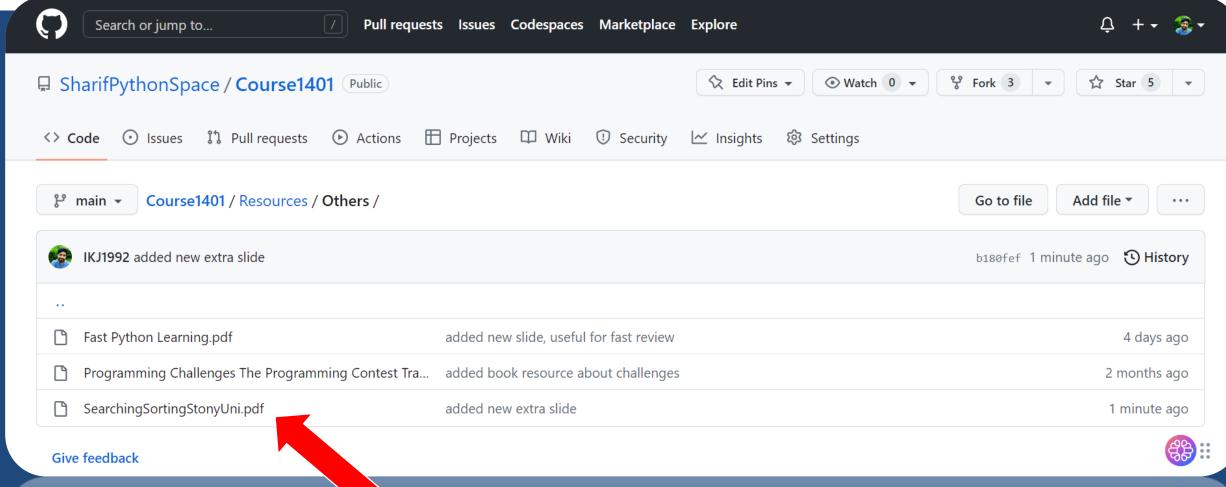
Other Applications? (2)

Introduction to Searching and sorting algorithms



Give feedback

Let's read it with each other!



Application of Programming in the Digital Age!



Your mid-term project





- https://www.geeksforgeeks.org/difference-between-searchingand-sorting-algorithms/
- https://www.geeksforgeeks.org/searching-algorithms/
- https://realpython.com/build-recommendation-enginecollaborative-filtering/