# CE100 Algorithms and Programming II

Greedy Algorithms, Knapsack

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## Contents

0.1	CE100 Algorithms and Programming II
0.2	Week-7 (Greedy Algorithms, Knapsack)
0.3	Greedy Algorithms, Knapsack
0.4	Outline
0.5	References

## List of Figures

### List of Tables

- 0.1 CE100 Algorithms and Programming II
- 0.2 Week-7 (Greedy Algorithms, Knapsack)
- 0.2.0.1 Spring Semester, 2021-2022 Download DOC<sup>1</sup>, SLIDE<sup>2</sup>, PPTX<sup>3</sup>

#### 0.3 Greedy Algorithms, Knapsack

#### 0.4 Outline

- Greedy Algorithms and Dynamic Programming Differences
- Greedy Algorithms
  - Activity Selection Problem
  - Knapsack Problems
    - $\ast\,$  The 0-1 knapsack problem
    - \* The fractional knapsack problem

#### 0.5 References

TODO

 $<sup>^{1}</sup>$ ce100-week-7-knapsack.md\_doc.pdf

 $<sup>^2{\</sup>rm ce}100{\rm -week\text{-}}7{\rm -knapsack.md\_slide.pdf}$ 

 $<sup>^3</sup>$ ce100-week-7-knapsack.md\_slide.pptx