Solution using a greedy strategy

The solution will be a good approximation, but non-optimal!

Sort all items in decreasing value-to-weight-ratio
Insert items in this order (look at all items)
    if (item fits) // capacity isn't exceeded
        add item to knapsack
    else
        skip item

Solution using enumeration

Horribly inefficient!

- Create all possible combinations of items
- Reject the ones that are useless because they exceed the knapsack's capacity.
- Compute the values of all feasible combinations (i.e. on each iteration compute a new value)
- Choose the combination with the highest value as the final solution