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Source Code :
class Item:
    def __init__(self, value, weight):
        self.value = value
        self.weight = weight
        self.ratio = value / weight
def fractional_knapsack(capacity, items):
    items.sort(key=lambda x: x.ratio, reverse=True)
    total_value = 0
    remaining_capacity = capacity
    for item in items:
        if item.weight <= remaining_capacity:</pre>
            remaining_capacity -= item.weight
            total_value += item.value
        else:
            fraction = remaining_capacity / item.weight
            total_value += item.value * fraction
            break
    return total_value
def main():
    n = int(input("Enter the number of items: "))
    items = []
    for i in range(n):
        value = float(input(f"Enter the value of item {i + 1}: "))
        weight = float(input(f"Enter the weight of item {i + 1}: "))
        items.append(Item(value, weight))
    capacity = float(input("Enter the capacity of the knapsack: "))
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max_value = fractional_knapsack(capacity, items)

print(f"Maximum value that can be put in the knapsack: {max_value:.2f}")

if __name__ == "__main__":
    main()
```

OUTPUT: