```
In [16]: def fractionalKnapsack(W, arr):
             arr.sort(key=lambda x: (x.profit / x.weight), reverse=True)
             finalvalue = 0.0
             for item in arr:
                 if item.weight <= W:</pre>
                     W -= item.weight
                     finalvalue += item.profit
                     finalvalue += item.profit * W / item.weight
                     break
             return finalvalue
         if __name__ == "__main__":
             W = 50
             arr = []
             n = int(input("Enter number of items-\n"))
             for i in range(n):
                 profit = int(input("Enter profit of item " + str(i + 1) + "-\n"))
                 weight = int(input("Enter weight of item " + str(i + 1) + "-\n"))
                 arr.append(Item(profit, weight))
             w = int(input("Enter capacity of knapsack-\n"))
             max val = fractionalKnapsack(W, arr)
             print(max val)
```

```
Enter number of items-
3
Enter profit of item 1-
60
Enter weight of item 1-
10
Enter profit of item 2-
100
Enter weight of item 2-
20
Enter profit of item 3-
120
Enter weight of item 3-
30
Enter capacity of knapsack-
50
240.0
```