Title of the Assignment: Write a program to solve a fractional Knapsack problem using a greedy method.

Code :

```
class Item:
	def init (self, value, weight):
		self.value = value
		self.weight = weight
def fractionalKnapsack(W, arr):
	# Sorting Item on basis of ratio
	arr.sort(key=lambda x: (x.value/x.weight), reverse=True)
	# Result(value in Knapsack)
	finalvalue = 0.0
	#Looping through all Items
	for item in arr:
		# If adding Item won't overflow,
		# add it completely
		if item.weight <= W:
			W -= item.weight
			finalvalue += item.value
		# If we can't add current Item,
		# add fractional part of it
		else:
			finalvalue += item.value * W / item.weight
			break
	# Returning final value
	return finalvalue
# Driver Code
if name == " main ":
	W = 50
	arr = [Item(60, 10), Item(100, 20), Item(120, 30)]
	# Function call
	max_val = fractionalKnapsack(W, arr)
	print(max_val)
```

Output :

Maximum value we can obtain = 24