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89. KNAPSCAK PROBLEM
PROGRAM:
def knapSack(W, wt, val, n):
  if n == 0 or W == 0:
    return 0
  if (wt[n-1] > W):
    return knapSack(W, wt, val, n-1)
  else:
    return max(
     val[n-1] + knapSack(
        W-wt[n-1], wt, val, n-1),
      knapSack(W, wt, val, n-1))
if __name__ == '__main__':
  profit = [60, 100, 120]
  weight = [10, 20, 30]
  W = 50
  n = len(profit)
  print (knapSack(W, weight, profit, n))
  OUTPUT:
   220
   === Code Execution Successful ===
  TIME COMPLEXITY:O(n*W)
```