**DEVELOPING AGENT PROGRAMS FOR REAL**

**WORLD PROBLEMS (KNAPSACK PROBLEM)**

**KNAPSACK PROBLEM IN PYTHON:**

**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))

val = [60, 100, 120]

wt **=** [10, 20, 30]

W **=** 50

n **=** len(val)

print(knapSack(W, wt, val, n))

RESULT:

