**Code :**

def knapSack(W, wt, val):

n=len(val)

table = [[0 for x in range(W + 1)] for x in range(n + 1)]

for i in range(n + 1):

for j in range(W + 1):

if i == 0 or j == 0:

table[i][j] = 0

elif wt[i-1] <= j:

table[i][j] = max(val[i-1]

+ table[i-1][j-wt[i-1]], table[i-1][j])

else:

table[i][j] = table[i-1][j]

return table[n][W]

val = [50,100,150,200]

wt = [8,16,32,40]

W = 64

print("The maximum value of items that can be carried: ",knapSack(W, wt, val))