EXPERIMENT 14

Python program for implementing knapsack program

def knapSack(W, wt, val, n):

# Base Case

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))

OUTPUT

