Exam – 1   **Date:** 14/09/2021

Time: 120 minutes

Marks: 20

Questions – You have **N** items. Every item has fixed weight w_i and price p_i. You can take maximum **W** weights. Find out the way to take items, so that you can get maximum profit. You should take the input from input file via file reading and output your result to a file.

Sample Input:

3 (**N**) 3 (**W**)

2 10

1 4

2 20

Sample Output:

Profit: 25

Item – 3: 2 = 20

Item – 1: 1 = 5