Lab W1D4

Question 1.

Write a Java program to solve the subset problem.

    (a) T or F.
    (b) One solution.
    (c) All solutions.

Question 2.

Solve subset problem where S = {3, 4, 7, 8} and k = 15.

    (a) T or F.
    (b) One solution.
    (c) All solutions.

Question 3. Solve the integer Knapsack problem given below:

The maximum allowable total weight in the knapsack is Wmax = 20.

Item	a	b	c	d	e
value	25	12	24	16	28
Weight	5	6	8	2	7

Question 4. Solve the fractional Knapsack problem given below:

The maximum allowable total weight in the knapsack is Wmax = 20.

Item	a	b	c	d	e
value	25	12	24	16	28
Weight	5	6	8	2	7