My Subscriptions

We want to build an intelligent system that can calculate the weekly subscription expenses of essential items for a household. For the sake of this assignment, we will go with the weekly newspaper subscription. Following table demonstrate prices of some of the prominent newspapers on a daily basis, all prices in Indian rupees.

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
TOI	3	3	3	3	3	5	6
Hindu	2.5	2.5	2.5	2.5	2.5	4	4
ET	4	4	4	4	4	4	10
BM	1.5	1.5	1.5	1.5	1.5	1.5	1.5
HT	2	2	2	2	2	4	4

The input to the program should be the weekly budget/amount that the user has allocated to his subscriptions. The output must be all possible combinations of the newspaper subscriptions for the user budget.

Example input/output combination:

Input	Output
40	{“TOI”, “BM”}, {“BM”, “HT”}, {“Hindu”, “BM”}, {“Hindu”, “HT”}
35	{“BM”, “HT”}, {“Hindu”, “BM”}

Evaluation Criteria:

- The data structure to hold the details of all newspapers subscription details.
- Efficiency of the logic to calculate the possible combination of subscriptions
- Readable and modular code