

Q1) You are the organiser of a conference and need to schedule presentations. You have received requests from N presenters stored in the csv file along with other details as

Presenter Name	No. of Hours for Presentation	Cost benefit for presenter
P1	2	\$100
P2	4	\$200
P3	2	\$50
..		
Pn	1	\$400

- The first column is the presenter name
- Second column indicates number of hours presenter will take for the presentation (assume it to be an integer)
- Last one indicates the associated cost (Fees that presenter will charge).

You are given that your conference will last for N hrs (N taken as an input) divided into 3 sessions (with no breaks and back to back presentation for example 8 hrs=3+3+2 hrs) and any of the session do not exceed N/2 hours.

Write the code to provide the following solution.

Maximize the number of presenters - Select the case that fits in maximum number of presenters in the given time schedule. If multiple cases satisfy this scenario, select the ones with minimum cost.

A session need not be fully utilized. But it should not be left empty without a presentation or. In case all the 3 sessions can't be filled then output should be **"Not enough presenters"**.

Note: Host the solution on github.com (not compulsory but it would have weightage) and share the link with us along with unit test cases with sample data to support your solution.

Points to evaluate -

- Use of data structure
- Unit tests
- Logic and efficiency of the solution.

