**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](http://github.com/) 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.