# **Client Support Engineer Interview - Coding Round**

Company name: Lex Luthor Corp.

Location: Earth 626.

**Preface**: This company is located on Earth 626 in an alternate universe where all of the Marvel and D.C superheroes/villains are normal people. Being normal people they are working normal jobs in a very promising tech startup. You were just hired as an associate software design engineer in the company. Below are some of the tasks which they’ve asked you to perform:

* The company has tracked fitness data for few of their employees, your task is to parse all of that data and generate Tab Separated Value (TSV) format files as output. There are different files you have to create from the given input which are given below
* Calculate department-wise, month-wise total steps.
  + Sample:

| Department | Month | Total Steps |
| --- | --- | --- |
| Information Technology | October | 10000 |

* Calculate Employee wise leader boards for months October, November, December.
  + Create a new TSV for each month. Order should be descending.
  + Sample file:

| Employee Name | Steps | Month |
| --- | --- | --- |
| Ezra Miller | 5000 | November |
| Tony Stark | 4000 | November |

* Input:
  + A JSON file containing fitness data.
  + Sample data from the file:

{

"user": "Ezra Miller",

"date": "2020-11-01",

"steps": 9999,

"department": "Information Technology"

}

* + Download it from here:
    - http://os-adfactory.s3-website-us-west-2.amazonaws.com/interview/asde/data/company\_data.json
* Output:
  + Separate TSV files with above given data.
* Note: You can use whichever language you are comfortable with.

