1. Data: Pensioners.csv is a simulated data for pensioner of country XXX between 2015 and 2040. The variable of concern is the LastPension and the gender, all data are sorted by year.

	A	B	C	D	E	F
1	year	RecNo	LASTPENSION	age	TYPEOFTERMINATIION	GENDER
2	2015	1	14072.38	57	4	2
3	2015	2	14290.69	60	4	2
4	2015	3	19261.51	78	8	2
5	2015	4	4330.9	46	7	1
6	2015	5	11875.97	56	4	1
7	2015	6	1822.16	93	8	2
8	2015	7	2468.18	80	3	2
9	2015	8	18625.69	74	8	2
10	2015	9	1500	91	8	2
11	2015	10	12788	67	8	2
12	2015	11	3192.7	76	3	2
13	2015	12	14097	55	4	2
14	2015	13	13288.35	75	4	2

2. Write a Python program to read in this file and process it row by row. Using the aggregator you created in last homework to compute the annual indicators of following:
    a. Total pension
    b. Total pension of all males
    c. Total pension of all females
    d. Average age of all pensioners
    e. Number of all pensioners
    f. Average pension amount (defined as total_pension/number_of_pensioners)
    g. Same as (f.) but for male only
    h. Same as (f.) but for female only

3. Hint:
    a. Since the data is already sorted by year, you don't need to sort it.
    b. Do not read in the whole dataset, try to process everything row by row. (imaging what will happen if this file is 20G or 1T in size)
    c. Create as many aggregators as you may need
    d. Output all indicators on the last row of year block
    e. What function can you add to the aggregator class so that you only need to create them once and reuse them?