

There is a CSV file with multiple measurements from multiple devices in the format device id (uuid), timestamp (human-readable format yyyy-MM-dd hh:mm:ss.msec), measurement name (string with alphanumeric characters and underscores), measurement value (floating point).

Write a script in Python that could calculate maximum, minimum and average value and total count of measured values for every measurement of every device.

Command line format should be:

```
measurements.py [action] [--device id] [--measurement name] [--start timestamp] [--end timestamp]
```

Where action could be **max**, **min**, **avg** or **cnt**

**--device ID** script shows only result for this one device (optional)

**--measurement NAME** show only result for one measurement type.

**--start TIMESTAMP** only count measurements that is younger than TIMESTAMP (optional)

**--end TIMESTAMP** only count measurements that is older than TIMESTAMP (optional)

Example data:

```
0ea7f78a-d224-4d3a-a014-001a0794e746,2019-05-30 12:00:55.438,temperature,21.7
0ea7f78a-d224-4d3a-a014-001a0794e746,2019-05-31 21:15:11.038,humidity,73.9
8ac23d27-8747-408f-89d7-c84b827a7776,2019-05-30 08:00:51.713,temperature,21.7
0ea7f78a-d224-4d3a-a014-001a0794e746,2019-05-31 17:00:45.338,temperature,21.7
0ea7f78a-d224-4d3a-a014-001a0794e746,2019-05-31 04:00:02.298,humidity,51.8
8ac23d27-8747-408f-89d7-c84b827a7776,2019-05-31 23:00:57.190,humidity,68.5
8ac23d27-8747-408f-89d7-c84b827a7776,2019-05-30 00:00:31.007,temperature,21.7
```