from mrjob.job import MRJob

from mrjob.step import MRStep

class RatingsBreakdown(MRJob):

def steps(self):

return [

MRStep(mapper=self.mapper\_get\_ratings,

reducer=self.reducer\_count\_ratings),

MRStep(reducer=self.reducer\_sorted\_output)

]

def mapper\_get\_ratings(self, \_, line):

(userID, movieID, rating, timestamp) = line.split('\t')

yield movieID, 1

def reducer\_count\_ratings(self, key, values):

yield str(sum(values)).zfill(5), key

def reducer\_sorted\_output(self, count, movies):

for movie in movies:

yield movie, count

if \_\_name\_\_ == '\_\_main\_\_':

RatingsBreakdown.run()