Problem statement 1:

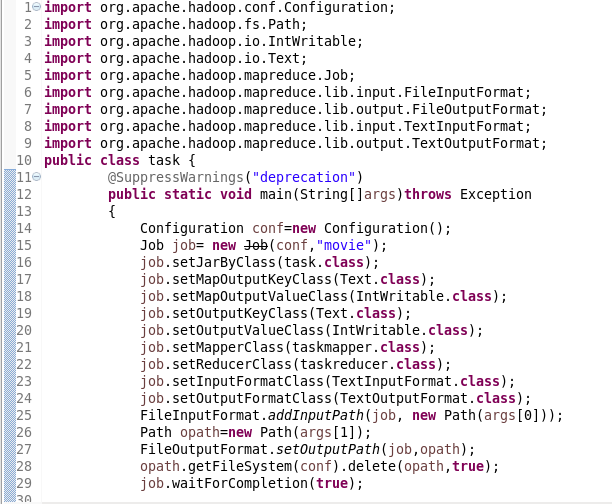
Find the number of ratings given by each user.

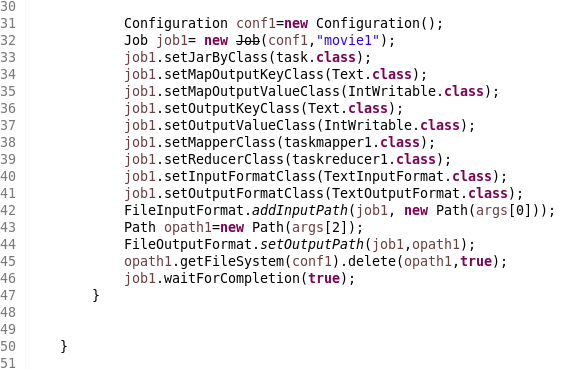
Problem statement 2:

Find the number of ratings received by each movie.

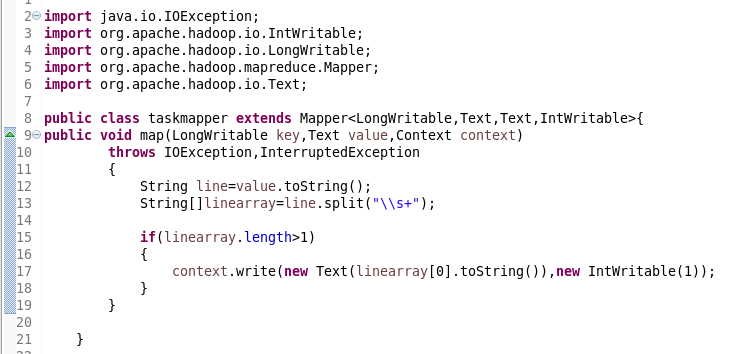
Code:

Task class :

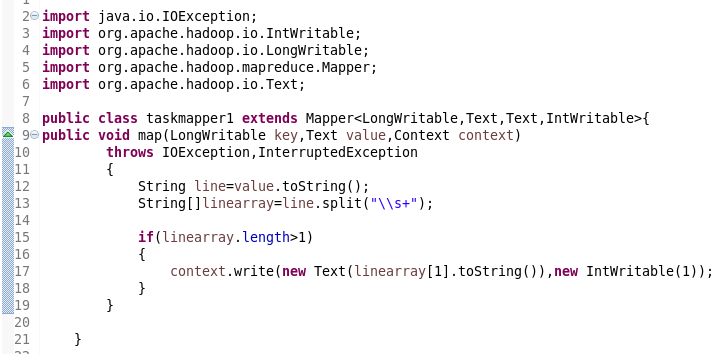




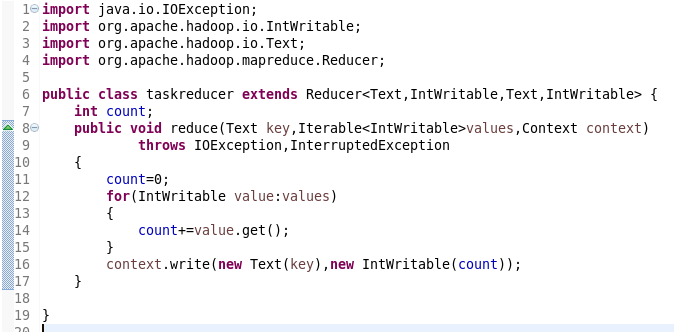
Mapper class for problem statement 1:



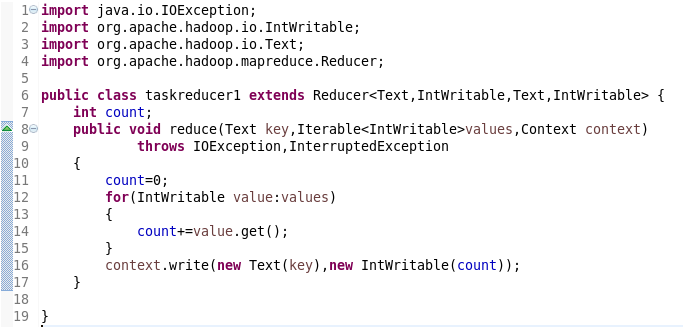
Mapper class for problem statement 2:



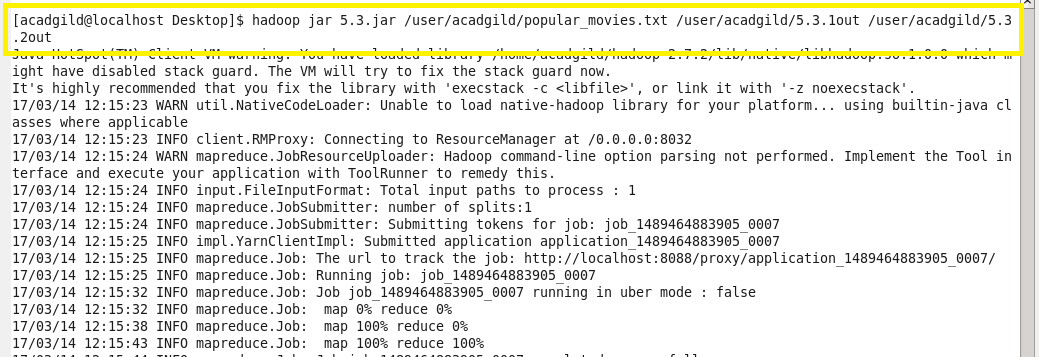
Reducer class for problem statement 1:



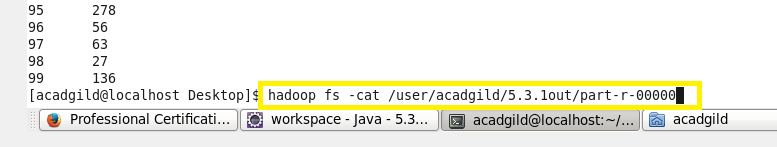
Reducer class for problem statement 2:



Running jar:



Output problem 1:



Output problem 2:

