

## Chapter 6 – Debugging

### Exercise

1. Run `ILLUSTRATE` on this Pig program:  

```
ratings = LOAD 'u.data' AS (userid:int, itemid:int, rating:int,
timestamp:int);
movies = LOAD 'u.item' USING PigStorage('|') AS
(itemid:int,name:chararray);
grpd = COGROUP ratings BY itemid, movies BY itemid;
averages = FOREACH grpd GENERATE group, movies.name,
AVG(ratings.rating) AS score, COUNT(ratings.rating);
good_movies = FILTER averages BY score >= 4.5;
ILLUSTRATE good_movies;
```
2. Store the results of the above program in HDFS. While the job is running, bring up the Job Tracker Web interface (<http://localhost:50030>) and find the running job.
3. Specify a name for your job and execute again.