**Department of Computer Engineering**

**University of Peradeniya CO226-Database Systems**

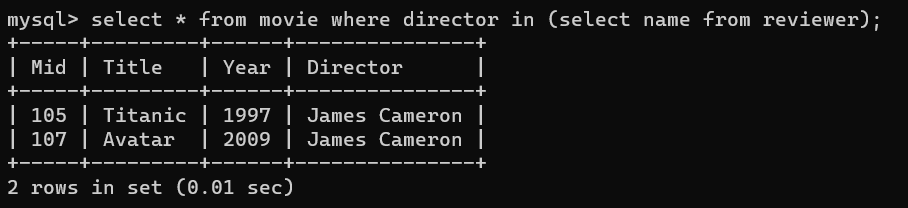
Lab Sheet Number : 06

Topic: Writing SQL Queries – Part II

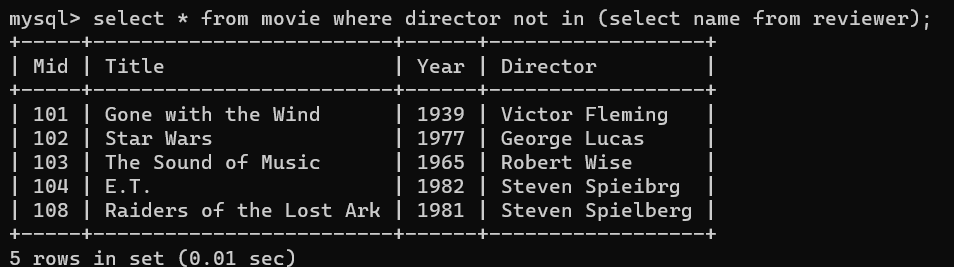
Reg. No: E/18/397

**Task**

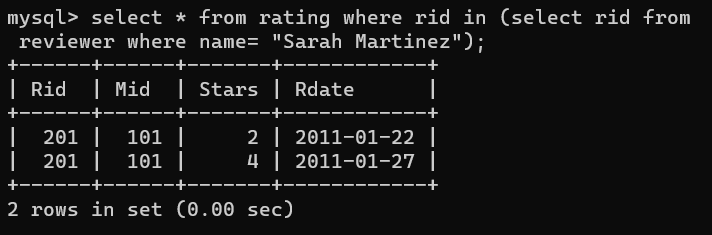
1) A) select \* from movie where director in (select name from reviewer);



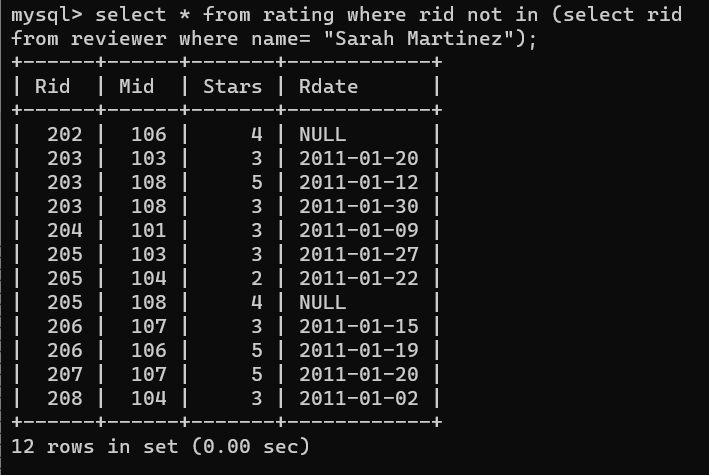
B) select \* from movie where director not in (select name from reviewer);



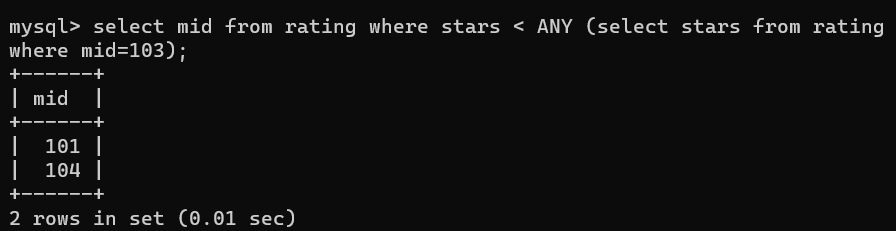
2) A) select \* from rating where rid in (select rid from reviewer where name= "Sarah Martinez");



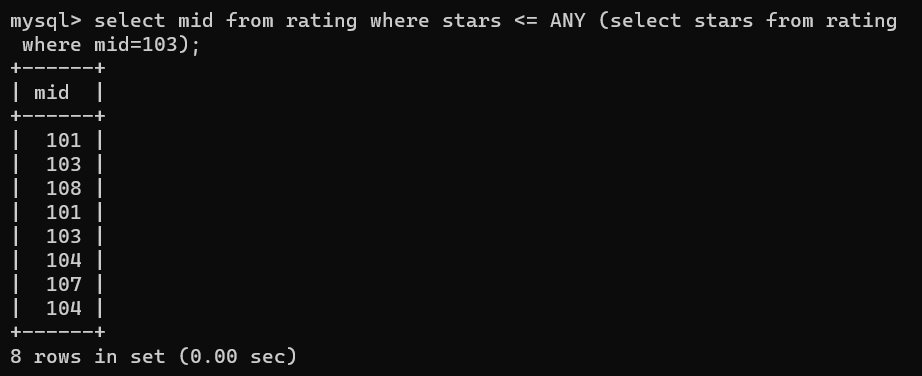
B) select \* from rating where rid not in (select rid from reviewer where name= "Sarah Martinez");



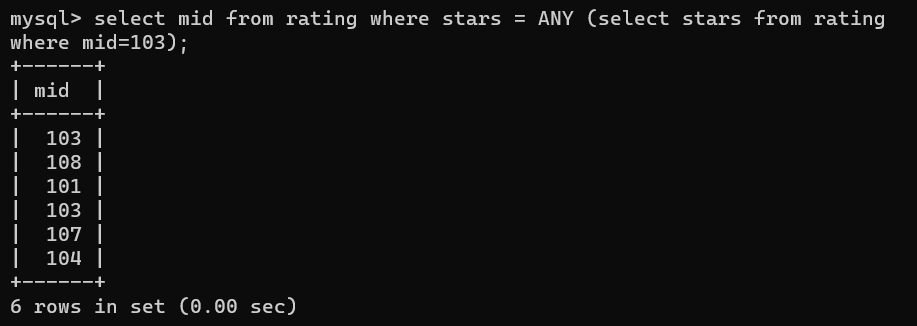
3) A) select mid from rating where stars < ANY (select stars from rating where mid=103);



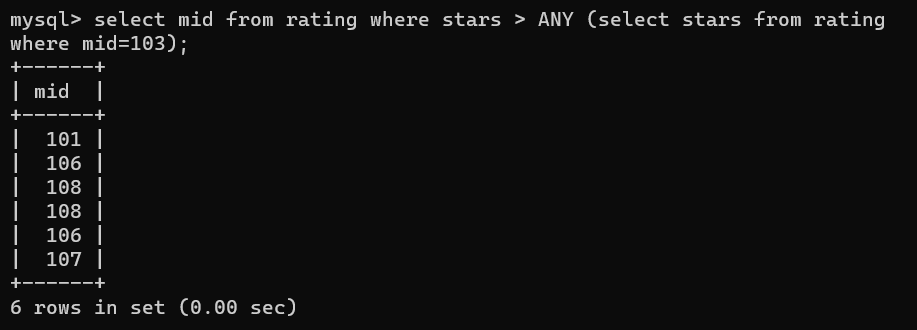
B) select mid from rating where stars <= ANY (select stars from rating where mid=103);



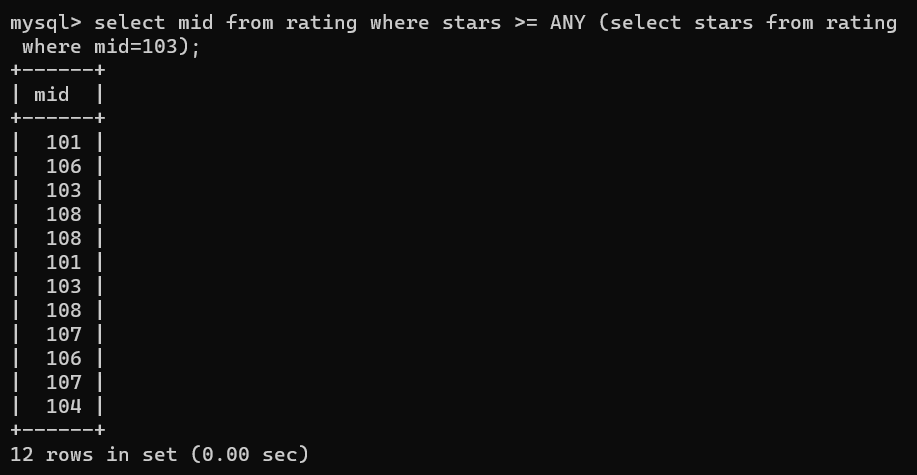
C) select mid from rating where stars = ANY (select stars from rating where mid=103);



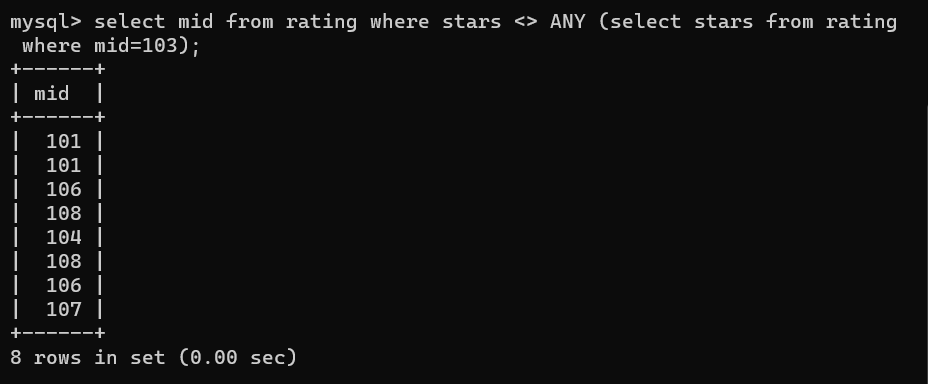
D) select mid from rating where stars > ANY (select stars from rating where mid=103);



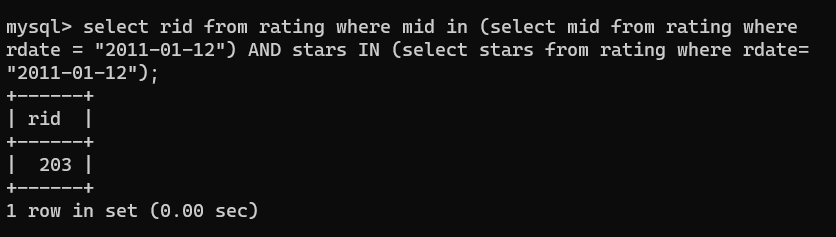
E) select mid from rating where stars >= ANY (select stars from rating where mid=103);



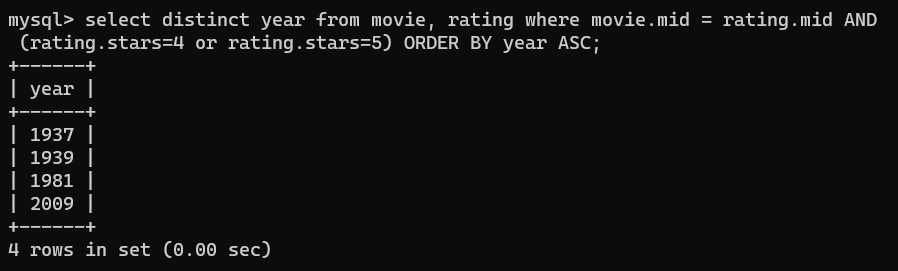
F) select mid from rating where stars <> ANY (select stars from rating where mid=103);



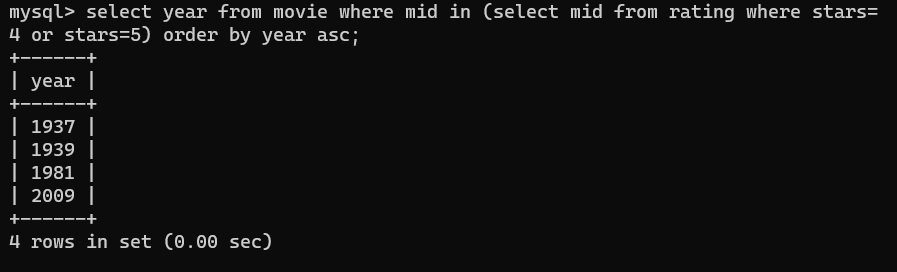
4) select rid from rating where mid in (select mid from rating where rdate = "2011-01-12") AND stars IN (select stars from rating where rdate="2011-01-12");



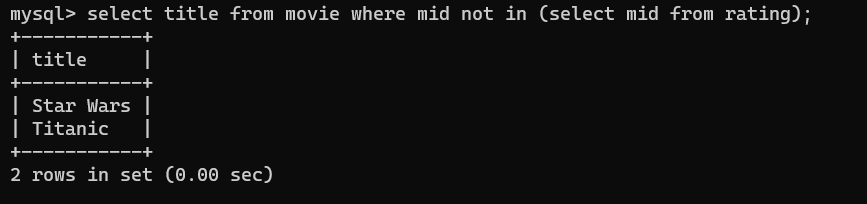
5) A) select distinct year from movie, rating where movie.mid = rating.mid AND (rating.stars=4 or rating.stars=5) ORDER BY year ASC;



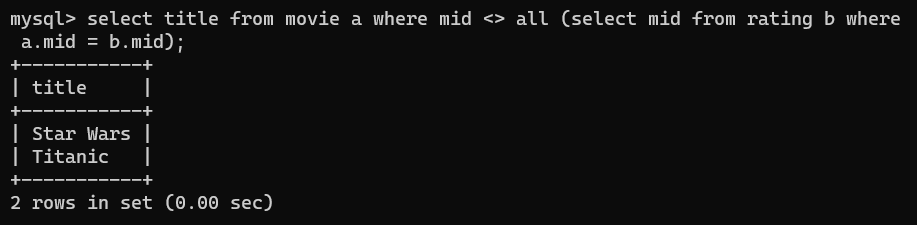
B) select year from movie where mid in (select mid from rating where stars=4 or stars=5) order by year asc;



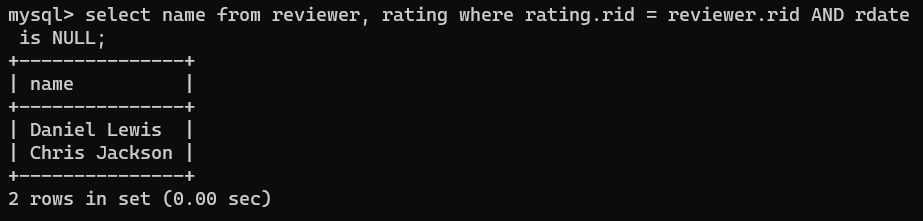
6) A) select title from movie where mid not in (select mid from rating);



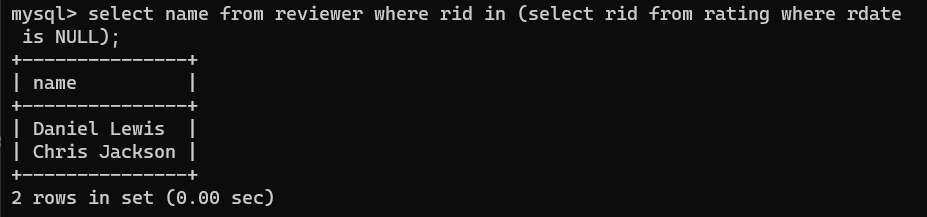
B) select title from movie a where mid <> all (select mid from rating b where a.mid = b.mid);



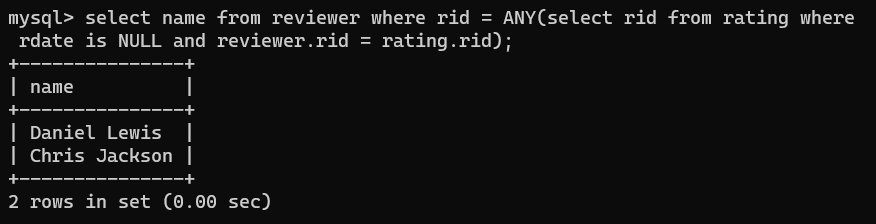
7) A) select name from reviewer, rating where rating.rid = reviewer.rid AND rdate is NULL;



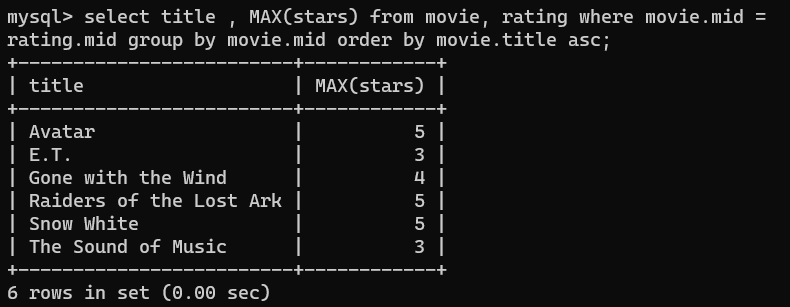
B) select name from reviewer where rid in (select rid from rating where rdate is NULL);



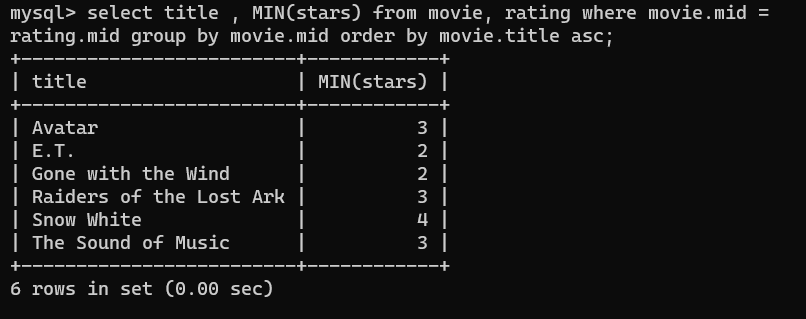
C) select name from reviewer where rid = ANY(select rid from rating where rdate is NULL and reviewer.rid = rating.rid);



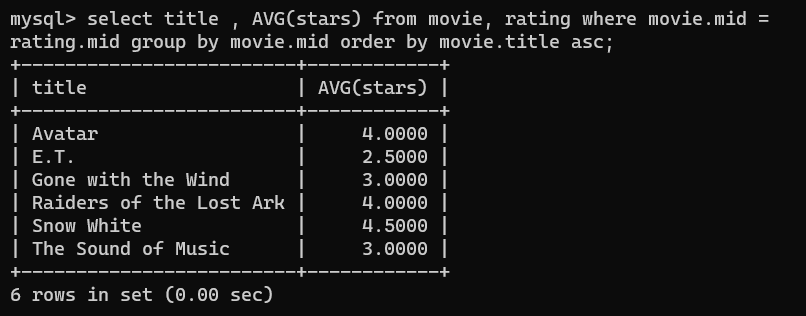
8) A) select title , MAX(stars) from movie, rating where movie.mid = rating.mid group by movie.mid order by movie.title asc;



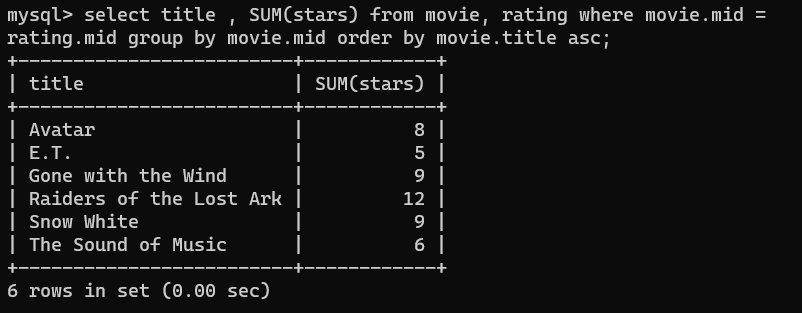
B) select title , MIN(stars) from movie, rating where movie.mid = rating.mid group by movie.mid order by movie.title asc;



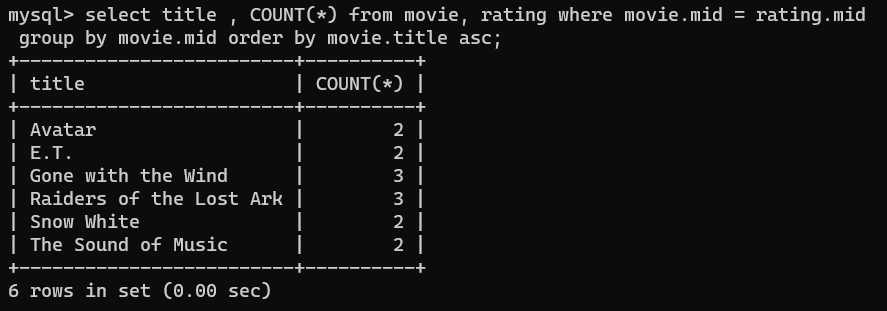
C) select title , AVG(stars) from movie, rating where movie.mid = rating.mid group by movie.mid order by movie.title asc;



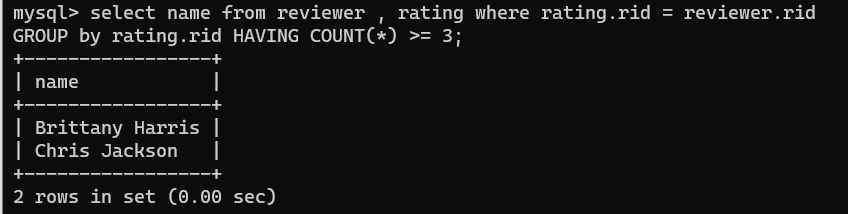
D) select title , SUM(stars) from movie, rating where movie.mid = rating.mid group by movie.mid order by movie.title asc;



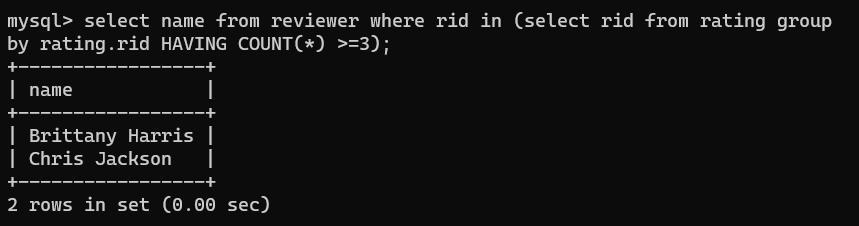
E) select title , COUNT(\*) from movie, rating where movie.mid = rating.mid group by movie.mid order by movie.title asc;



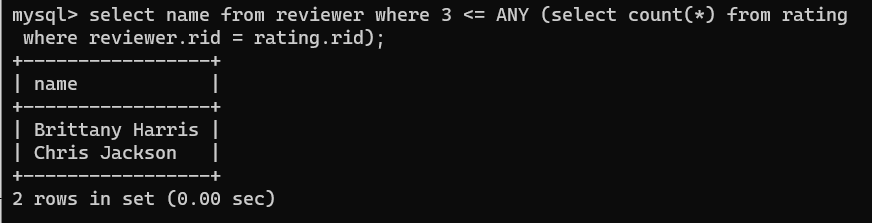
9) A) select name from reviewer , rating where rating.rid = reviewer.rid GROUP by rating.rid HAVING COUNT(\*) >= 3;



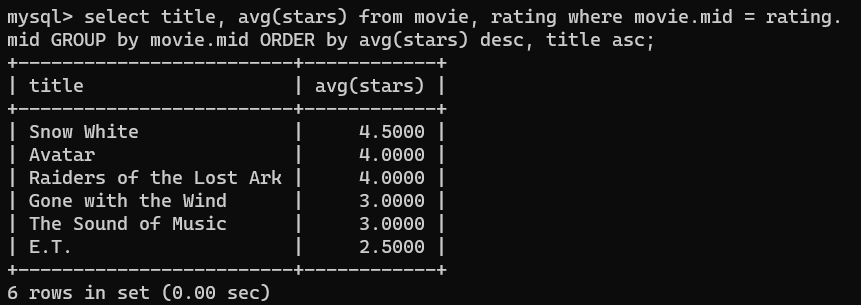
B) select name from reviewer where rid in (select rid from rating group by rating.rid HAVING COUNT(\*) >=3);



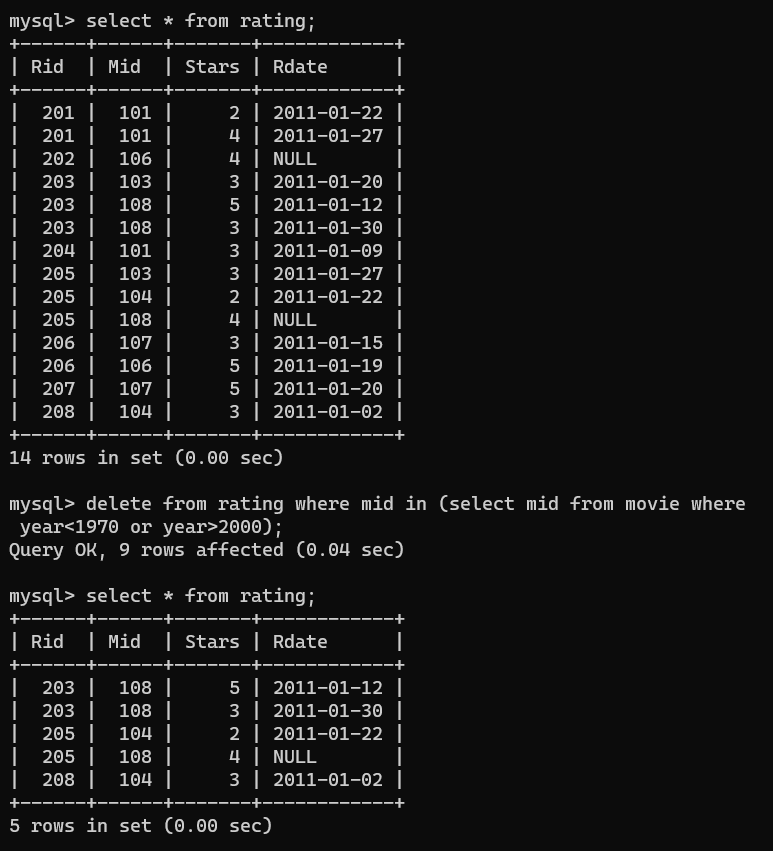
C) select name from reviewer where 3 <= ANY (select count(\*) from rating where reviewer.rid = rating.rid);



10) select title, avg(stars) from movie, rating where movie.mid = rating.mid GROUP by movie.mid ORDER by avg(stars) desc, title asc;



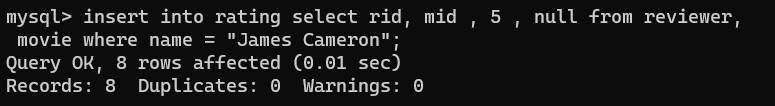
11) delete from rating where mid in (select mid from movie where year<1970 or year>2000);

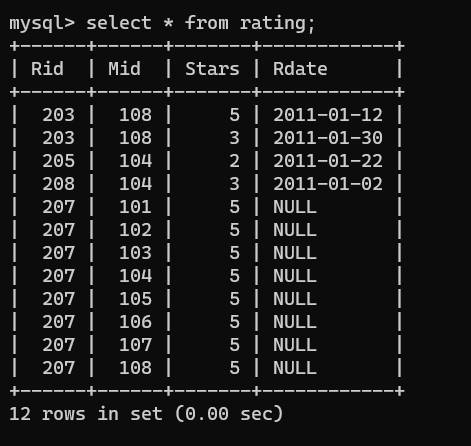


12) delete from rating where rdate is null;



13) insert into rating select rid, mid , 5 , null from reviewer, movie where name = "James Cameron";





14) update movie set year = year + 25 where mid in (select rating.mid from rating group by rating.mid having avg(stars)>=4);

