HOMEWORK #3

Write SQL queries for each of the following:

1. What's the most episodes any tv series had?

2. Find the TV series that has the most episodes. Results should show the TV series and the number of episodes

3. Find the number of TV series made before the year 2000

4. Find the first and last names of persons who favorite TV series is an old TV series. (series made before 2000)

5. Find the first name and last name of each person who watches more than 5 TV series.

6. Find the number of students who've taken CS-101

7. Find the number of students who've gotten each grade in CS-101. The result should be a relation with attributes named grade and num.

8. Find the number of courses each students has taken. The result should be a relation with attributes named ID and num.

9. Find the total number of credits each student has passed (grades other than F or NULL), based on the information in the takes table (not on the student.tot cred attribute)

10. Find IDs and names of students in the Comp Sci department who have taken fewer than two courses

11. Find the average number of credits of courses in each department. The result should be a relation with attributes dept_name and avg_credits

12. Find the number of sections taught in each building, each year.

13. Find the IDs of students who've taken 'CS-315' and any course with the 'Bio' prefix (LIKE 'Bio%')

14. Find the IDs of students who've taken 'CS-101' but have not taken any other 'CS' courses (LIKE 'CS%')

15. Find the maximum salary of an instructor in the Physics department

16. Find the name of the highest paid instructor in the Comp Sci department. (If there is a tie, report all of them.)

17. Find the name of the student who got the most 'A' grades

18. Find the department with the highest average salary