LabWorks

You are given database schema below. Convert the following schema into SQL tables and insert at least 5 relevant data values in each relation and perform the following activities.

payscale (position ,salary,grade)
teacher (teacher_id, name, salary, joining_date, birthdate, position)
class (class_scheduleno, teacher_id, room_no)

Create a database named yourname_school and create table and populate the relevant data for the tables below and execute the following queries.

1. Display the name of the teacher who is oldest among all teachers.
2. Display teacher numbers and names of those teachers who are earning less than 'Kathlin'.
3. Display the list of all teachers who are earning equal to any teacher who have joined before '31-dec-2010'
4. Display the list of all those teachers whose salary is greater than any other teacher with job title 'Lecturer'.
5. Display the list of all those teachers whose salary is greater than all the teachers with job title as 'Lecturer'.
6. Display the list of all teachers whose job title and salary is same as that of the employee whose first name is 'James'.
7. Display names of all the teachers who are class teachers.
8. Display names, salaries and salary grades of all teachers.
9. Display names and class schedule numbers of all the teachers.
10. Display teacher ID and names of all teachers who are going to be retired by next year.
11. Show all possible teacher – class values.
12. Create a View of above relational schema and do the following opereations on it.
13. Devoluder has upgraded to Assistant professor from lecturer.
14. Find the average salary till now, earned by Janesh who has joined on January 01 2016.
15. Find the number of lecturer, Assistant Professor, Associate Professor, Professor.