PERSONNEL Database Demonstration Script

1. List all employees
   select * from employees;
2. List all employees first and last name (Project)
   select first_name, last_name from employees;
3. List all male employees last name (Select)
   select first_name from employees where sex = 'M';
4. List all unique last names
   select distinct last_name from employees;
5. List all jobs with a minimum salary of $75,000
   select job_title from jobs where minimum_salary >= 75000;
6. List average minimum salary (Aggregate Function)
   select avg(minimum_salary) from jobs;
7. List all department managers (Join)
   select department_name, last_name from departments, employees where manager_id = employee_id;
8. List number of departments
   select count(*) from departments;
9. List all degrees earned by 'Blount' (Ambiguity of "employee_id"))
   select degree from degrees, employees where
   degrees.employee_id = employees.employee_id and
   employees.last_name = 'Blount';

   select degree from degrees D, employees E where (Aliasing)
   D.employee_id = E.employee_id and
   E.last_name = 'Blount';
10. List IDs of all employees making above $70,000
    select distinct E.employee_id from employees E, salary_history S where E.employee_id =
    S.employee_id and S.salary_amount > 70000;
11. List IDs of all employees with a PhD in 'Business Admin'
    select distinct E.employee_id from employees E, degrees D where E.employee_id = D.employee_id
    and D.degree = 'PhD' and D.degree_field = 'Business Admin';
12. List IDs of all employees making above $70,000 or with a PhD in 'Business Admin'
    select distinct E.employee_id from employees E, salary_history S , degrees D where (E.employee_id =
    S.employee_id and S.salary_amount > 70000) or (E.employee_id = D.employee_id and D.degree =
    'PhD' and D.degree_field = 'Business Admin');

    Same answer using UNION:
    select distinct E.employee_id from employees E, salary_history S
    where E.employee_id = S.employee_id and S.salary_amount > 70000) UNION
    (select distinct E.employee_id from employees E, degrees D
    where E.employee_id = D.employee_id and D.degree = 'PhD' and
    D.degree_field = 'Business Admin');