SQL Practice Question

WorksOn Database:

emp (eno, ename, bdate, title, salary, dno)

proj (pno, pname, budget, dno)

dept (dno, dname, mgreno)

workson (eno, pno, resp, hours)

Questions:-

1.) Write an SQL query that returns the project number and name for projects with a budget greater than $100,000.
Ans:- SELECT pno, pname FROM proj WHERE budget >100000;

2.) Write an SQL query that returns all works on records where hours worked is less than 10 and the responsibility is 'Manager'.
Ans:- SELECT * FROM workson WHERE hours <10 AND resp = 'manager';

3.) Write an SQL query that returns the employees (number and name only) who have a title of 'EE' or 'SA' and make more than $35,000.
Ans:- SELECT eno, ename FROM emp WHERE(title='EE' OR title = 'SA') AND salary>35000;

4.) Write an SQL query that returns the employees (name only) in department 'D1' ordered by decreasing salary.
Ans:- SELECT ename FROM emp WHERE dno = '1' ORDER BY salary DESC;

5.) Write an SQL query that returns the departments (all fields) ordered by ascending department name.
Ans:- SELECT * FROM dept ORDER By dname ASC;

6.) Write an SQL query that returns the employee name, department name, and employee title.
Ans:- SELECT ename, dname, title FROM emp, dept WHERE emp.dno = dept.dno;

7.) Write an SQL query that returns the project name, hours worked, and project number for all works on records where hours > 10.

Ans:- SELECT pname, hours, proj.pno FROM workson, proj WHERE hours > 10 AND proj.pn = workson.pno;

8.) Write an SQL query that returns the project name, department name, and budget for all projects with a budget < $50,000.

Ans:- SELECT pname, dname, budget FROM proj, dept WHERE budget < 50000 AND proj.dno = dept.dno;

9.) Write an SQL query that returns the employee numbers and salaries of all employee in the 'Consulting' department ordered by descending salary.

Ans:- SELECT eno, salary FROM emp, dept WHERE dname = 'Consulting' ORDER BY salary DESC;

10) Write an SQL query that returns the employee name, project name, employee title, and hours for all works on records.

Ans:- SELECT ename, pname, title FROM emp, proj, workson WHERE emp.eno = workson.eno and proj.pno = workson.pno;