

## Soluții Exerciții Join-uri

### Soluții

1. 

```
SELECT first_name, last_name, department_name
FROM employees e, departments d
WHERE e.department_id = d.department_id
Order by 3;
```
2. 

```
SELECT first_name, last_name, department_name, d.department_id
FROM employees e, departments d
WHERE e.department_id = d.department_id
AND salary > 1500;
```
3. 

```
select first_name, last_name, job_title
from employees, jobs
where employees.job_id=jobs.job_id;
```
4. 

```
select first_name, last_name, grade_level
from employees, job_grades
where salary between lowest_sal and highest_sal and grade_level='C';
```
5. 

```
select first_name, last_name, city
from employees e, departments d, locations l
where e.department_id=d.department_id and
d.location_id=l.location_id and
city='Toronto';
```
6. 

```
select first_name, last_name, job_title, salary, grade_level,
department_name
from employees e, departments d, jobs j, job_grades jo
where e.department_id=d.department_id and e.job_id=j.job_id and
salary between lowest_sal and highest_sal and job_title!=
'President'
order by salary desc;
```
7. 

```
select first_name, last_name, job_title, salary, salary * 12
Annual_salary, grade_level, department_name
from employees e, departments d, jobs j, job_grades jo
where e.department_id=d.department_id and e.job_id=j.job_id and
salary between lowest_sal and highest_sal and salary * 12 > 3600
order by job_title;
```
8. 

```
select d.department_id, department_name
from employees e, departments d
where e.department_id(+) = d.department_id
and e.employee_id IS NULL;
```
9. din curs
10. 

```
select e.first_name, e.last_name, e.employee_id,
m.first_name, m.last_name, m.employee_id
from employees e, employees m
```

```
where e.manager_id=m.employee_id(+)
--deoarece lipsesc date din tabela manageri - "m";
```

```
11. select job_title
from jobs j, employees e
where e.job_id = j.job_id and e.hire_date between '01-JAN-93' AND
'30-JUN-93'
union
select job_title
from jobs j, employees e
where e.job_id = j.job_id and e.hire_date between '01-JAN-94' AND
'30-JUN-94';
```

```
12. select e.first_name, e.last_name, e.hire_date,
m.first_name, m.last_name, m.hire_date
from employees e, employees m
where e.manager_id=m.employee_id
and e.hire_date < m.hire_date;
```