

### Analysis 1

```
SELECT employees.emp_no, employees.last_name, employees.first_name, employees.gender,  
salaries.salary  
FROM employees  
JOIN salaries  
ON employees.emp_no = salaries.emp_no;
```

### Analysis 2

```
SELECT first_name, last_name, hire_date  
FROM employees  
WHERE hire_date BETWEEN '1986-01-01' AND '1987-01-01';
```

### Analysis 3

```
SELECT departments.dept_no, departments.dept_name, dept_manager.emp_no, employees.last_name,  
employees.first_name, dept_manager.from_date, dept_manager.to_date  
FROM departments  
JOIN dept_manager  
ON departments.dept_no = dept_manager.dept_no  
JOIN employees  
ON dept_manager.emp_no = employees.emp_no;
```

### Analysis 4

```
SELECT dept_emp.emp_no, employees.last_name, employees.first_name, departments.dept_name  
FROM dept_emp  
JOIN employees  
ON dept_emp.emp_no = employees.emp_no  
JOIN departments  
ON dept_emp.dept_no = departments.dept_no;
```

### Analysis 5

```
SELECT first_name, last_name  
FROM employees  
WHERE first_name = 'Hercules'  
AND last_name LIKE 'B%';
```

### Analysis 6

```
SELECT dept_emp.emp_no, employees.last_name, employees.first_name, departments.dept_name  
FROM dept_emp  
JOIN employees  
ON dept_emp.emp_no = employees.emp_no  
JOIN departments  
ON dept_emp.dept_no = departments.dept_no  
WHERE departments.dept_name = 'Sales';
```

### Analysis 7

```
SELECT dept_emp.emp_no, employees.last_name, employees.first_name, departments.dept_name
FROM dept_emp
JOIN employees
ON dept_emp.emp_no = employees.emp_no
JOIN departments
ON dept_emp.dept_no = departments.dept_no
WHERE departments.dept_name = 'Sales'
OR departments.dept_name = 'Development';
```

### Analysis 8

```
SELECT last_name,
COUNT(last_name) AS "frequency"
FROM employees
GROUP BY last_name
ORDER BY
COUNT(last_name) DESC;
```