

## SQL HOME WORKS:

1. What is the average salary of employees in the Parks and Recreation department?

ans:

```
SELECT AVG(salary) AS average_salary  
FROM employee_salary WHERE department_id = 1
```

2. Who has the highest salary in the Parks and Recreation department?

ans:

```
SELECT first_name, last_name, salary  
  
FROM employees_salary WHERE department_id = 1 ORDER BY salary DESC LIMIT 1;
```

3. List all employees with a salary greater than \$50,000.?

Ans:

```
SELECT first_name, last_name, salary  
  
FROM employees_salary  
  
WHERE salary > 50000;
```

4. How many employees are there in the Parks and Recreation department?

ans:

```
SELECT COUNT(*) AS employee_count  
  
FROM employees_salary  
  
WHERE department_id = 1;
```

5. What are the names and positions of employees who do not have a specified department (department\_id is NULL)?

ans:

```
SELECT first_name, last_name, position  
  
FROM employees_salary  
  
WHERE department_id IS NULL;
```

6. Find all employees with the title "Manager" or "Director."?

Ans:

```
SELECT first_name, last_name, position  
  
FROM employees_salary  
  
WHERE occupation LIKE '%Manager%' OR occupation LIKE '%Director%';
```

7. What is the total salary expenditure for the entire organization?

Ans:

```
SELECT SUM(salary) AS total_expenditure  
FROM employees_salary;
```

8. List employees sorted by salary in descending order.?

Ans:

```
SELECT first_name, last_name, salary  
FROM employees_salary  
ORDER BY salary DESC;
```

9. What is the salary range (minimum and maximum) for the Parks and Recreation department?

Ans:

```
SELECT MIN(salary) AS min_salary, MAX(salary) AS max_salary  
FROM employees_salary  
WHERE department_id = 1;
```

10. Count how many employees have a salary less than \$30,000?

Ans:

```
SELECT COUNT(*) AS low_salary_count  
FROM employees_salary  
WHERE salary < 30000;
```