-- 1. Display Name of the salesperson, customer name, and amount of sales.

SELECT S.NAME AS "Salesperson Name", C.NAME AS "Customer Name", S.AMOUNT AS "Sales Amount" FROM SALES S JOIN CUSTOMER C ON S.CUST\_ID = C.CUST\_ID;

-- 2. List employee name and name of managers.

SELECT E.ENAME AS "Employee Name", M.ENAME AS "Manager Name" FROM EMP E LEFT JOIN EMP M ON E.MGR = M.EMPNO;

-- 3. Display details of all departments and the corresponding employees.

SELECT D.DNAME AS "Department Name", E.ENAME AS "Employee Name", E.JOB, E.SAL FROM DEPT D LEFT JOIN EMP E ON D.DEPTNO = E.DEPTNO;

-- 4. Display all customer names with their order details (order number and ship date) for orders shipped in 1987.

SELECT C.NAME AS "Customer Name", O.ORDER\_NO AS "Order Number", O.SHIP\_DATE FROM CUSTOMER C JOIN ORDERS O ON C.CUST\_ID = O.CUST\_ID WHERE EXTRACT(YEAR FROM O.SHIP\_DATE) = 1987;

-- 5. Display salesman names and names of customers they are dealing with.

SELECT S.NAME AS "Salesman Name", C.NAME AS "Customer Name" FROM SALESMAN S JOIN CUSTOMER C ON S.SALES\_ID = C.SALES\_ID;

-- 6. Display salesman who did not earn commission, with customer names whom they are dealing with.

SELECT S.NAME AS "Salesman Name", C.NAME AS "Customer Name" FROM SALESMAN S JOIN CUSTOMER C ON S.SALES\_ID = C.SALES\_ID WHERE S.COMM IS NULL;

-- 7. Display salesman names, salary, commission, and their salary grades.

SELECT S.NAME AS "Salesman Name", S.SAL AS "Salary", S.COMM AS "Commission", G.GRADE AS "Salary Grade" FROM SALESMAN S JOIN SALGRADE G ON S.SAL BETWEEN G.LOSAL AND G.HISAL;

-- 8. Display all Tennis products and their price details (standard and minimum price).

SELECT P.NAME AS "Product Name", P.STANDARD\_PRICE AS "Standard Price", P.MINIMUM\_PRICE AS "Minimum Price" FROM PRODUCT P WHERE P.NAME LIKE '%Tennis%';

-- 9. Display the products purchased by either JOCKSPORTS (customer number 100) or JUST TENNIS (customer number 103) or both of them.

SELECT P.NAME AS "Product Name" FROM PRODUCT P JOIN ORDER\_DETAILS OD ON P.PRODUCT\_ID = OD.PRODUCT\_ID JOIN CUSTOMER C ON OD.CUST\_ID = C.CUST\_ID WHERE C.CUST\_ID IN (100, 103);

-- 10. Display the department name, and salary of any employee whose salary and commission matches both the salary and commission of any employee in DALLAS.

SELECT D.DNAME AS "Department Name", E.SAL AS "Salary" FROM EMP E JOIN DEPT D ON E.DEPTNO = D.DEPTNO WHERE (E.SAL, E.COMM) IN (SELECT SAL, COMM FROM EMP WHERE DEPTNO = (SELECT DEPTNO FROM DEPT WHERE DNAME = 'DALLAS'));

-- 11. List out the common jobs in Research and Accounting Departments in ascending order.

SELECT DISTINCT E.JOB FROM EMP E WHERE E.DEPTNO IN (SELECT DEPTNO FROM DEPT WHERE DNAME = 'RESEARCH' OR DNAME = 'ACCOUNTING') ORDER BY E.JOB;