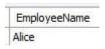
1. Write and type the names of all the employees in department 1?

SELECT EmployeeName

FROM employee

WHERE DepartmentID = 1;



1 Row Returned

2. Find the items sold by at least two departments on the second floor

**SELECT ItemName** 

FROM item

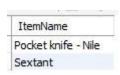
WHERE ItemID IN (SELECT ItemID

FROM sale sl, department dt

WHERE sl.DepartmentID = dt.DepartmentID AND DepartmentFloor = 2

**GROUP BY ItemID** 

HAVING COUNT(DISTINCT dt.DepartmentID) > 1);



3. List the departments having an average salary of over 25000.

SELECT dt.DepartmentID, dt.DepartmentName, ROUND(AVG(e.EmployeeSalary),2) AS 'Average\_Salary'

FROM department dt JOIN employee e

ON dt.DepartmentID = e.DepartmentID

GROUP BY dt.DepartmentID

HAVING Average\_Salary > 25000;



5 Rows Returned

4. Find the numbers and names of the employees who earn more than their manager

SELECT e.EmployeeID, e.EmployeeName

FROM employee e, employee m

WHERE e.BossID = m.EmployeeID AND m.EmployeeSalary < e.EmployeeSalary;



5. Type the query to find the average salary of employees in the Clothes department

SELECT dt.DepartmentName, ROUND(AVG(e.EmployeeSalary),2) AS 'Average\_Salary'

FROM department dt JOIN employee e

ON dt.DepartmentID = e.DepartmentID

WHERE DepartmentName = 'Clothes';



1 Row Returned

6. List the name and salary of the managers with more than 2 employees

SELECT EmployeeName AS 'Manager', ROUND(EmployeeSalary,2) AS 'Salary'

FROM employee

WHERE EmployeeID IN (SELECT BossID

FROM employee

**GROUP BY BossID** 

HAVING COUNT(BossID) > 2);



7. Find the supplier id and supplier names that deliver compasses

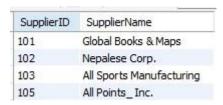
SELECT DISTINCT sr.SupplierID, sr.SupplierName

FROM item i JOIN supplier sr JOIN delivery dy

ON i.ItemID = dy.ItemID AND dy.SupplierID = sr.SupplierID

WHERE i.ItemName = 'Compass'

ORDER BY SupplierID;



4 Rows Returned

8. Write and type the query that finds the name and salary of Clare's manager

SELECT EmployeeName, ROUND(EmployeeSalary,2) AS 'Salary'

**FROM** employee

WHERE EmployeeID IN (SELECT BossID

FROM employee

WHERE EmployeeName = 'Clare');



# 9. Whom does Todd manage?

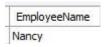
# SELECT EmployeeName

# FROM employee

WHERE BossID IN (SELECT EmployeeID

FROM employee

WHERE EmployeeName = 'Todd');



1 Row Returned

10. Find the departments that have never sold a geo positioning system

# SELECT DepartmentName

# FROM department

WHERE DepartmentID NOT IN (SELECT sl.DepartmentID

FROM sale sl JOIN item i

ON sl.ltemID = i.ltemID

JOIN sale sl2

ON sl.SaleID = sl2.SaleID

JOIN Department dt

ON sl2.DepartmentID = dt.DepartmentID

WHERE i.ItemName = 'Geo positioning system');



11. Find, for each item, the total quantity sold by the departments on the second floor

SELECT i.ItemName, SUM(SaleQTY) AS 'Sale Quantity'

FROM item i, sale sl, department dt

WHERE i.ItemID = sl.ItemID AND dt.DepartmentID = sl.DepartmentID AND DepartmentFloor = 2
GROUP BY ItemName;

ItemName	Sale Quantity
Boots - snakeproof	2
Pith helmet	1
Hat - polar explorer	3
Pocket knife - Nile	2
Sextant	2
Elephant polo stick	1
Camel saddle	1

7 Rows Returned

12. Who earns the lowest salary?

SELECT EmployeeID, EmployeeName

FROM employee

WHERE EmployeeSalary = (SELECT MIN(EmployeeSalary)

FROM employee);



13. Find, for each department on the second floor, the average salary of the employees

SELECT dt.DepartmentName, ROUND(AVG(e.EmployeeSalary),2) AS 'Average Salary'

FROM department dt join employee e

ON dt.DepartmentID = e.DepartmentID

WHERE DepartmentFloor= 2

GROUP BY DepartmentName;

DepartmentName	Average Salary
Clothes	16000.00
Recreation	15000.00

2 Rows Returned

14. Find the first name of Sophie's boss.

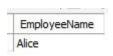
SELECT EmployeeName

FROM employee

WHERE EmployeeID = (SELECT BossID

FROM employee

WHERE EmployeeName ='Sophie');



15. Find bosses who are in the same department as their employees

SELECT DISTINCT b.EmployeeName

FROM employee e, employee b

WHERE e.BossID = b.EmployeeID AND e.DepartmentID = b.DepartmentID;

