1.

SELECT DEPARTMENT.NAME, EMPLOYEE.NAME   
FROM EMPLOYEE LEFT JOIN DEPARTMENT ON EMPLOYEE.DEPARTMENT\_ID = DEPARTMENT.ID   
GROUP BY DEPARTMENT.ID HAVING MAX(EMPLOYEE.ID)

2.

SELECT DEPARTMENT.NAME   
FROM EMPLOYEE LEFT JOIN DEPARTMENT ON EMPLOYEE.DEPARTMENT\_ID = DEPARTMENT.ID   
GROUP BY DEPARTMENT.ID HAVING INSTR(LOWER(EMPLOYEE.NAME),"z")=0 AND INSTR(LOWER(EMPLOYEE.NAME),"w")=0

3.

SELECT e1.NAME, e1.SALARY, e2.NAME, e2.SALARY   
FROM EMPLOYEE as e1 LEFT JOIN EMPLOYEE as e2 ON e1.DEPARTMENT\_ID = e2.DEPARTMENT\_ID   
GROUP BY e1.NAME HAVING MAX(e2.SALARY)

4.

SELECT DEPARTMENT.NAME, SUM(EMPLOYEE.SALARY) as sum, SUM(EMPLOYEE.SALARY) - AVG(EMPLOYEE.SALARY) \* COUNT(\*)   
FROM DEPARTMENT LEFT JOIN EMPLOYEE ON EMPLOYEE.DEPARTMENT\_ID = DEPARTMENT.ID   
GROUP BY DEPARTMENT.ID ORDER BY sum