

Given the following two Oracle tables

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rem
rem Table                : DEPARTMENT
rem dept_no              : Department Number
rem dept_name            : Name of department
rem dept_total_salary    : Total Salary of employees in
department
rem
create table department (
    dept_no              number (2) not null,
    dept_name            char (20) not null,
    dept_total_salary    number (10,2) not null,
    constraint pk_department primary key (dept_no));

rem Create sequence to use for department PK
create sequence dept_no_seq increment by 1 start with
100;

rem
rem Table                : EMPLOYEE
rem emp_no               : Employee number
rem emp_name             : Employee Name
rem emp_salary           : Employee Salary
rem emp_sdate            : Employee start date
rem dept_no              : Department Number (Foreign Key)
rem
create table employee (
    emp_no              number (4) not null,
    emp_name            char (20) not null,
    emp_salary          number (8,2) not null,
    emp_sdate           date not null,
    dept_no             number (2) not null,
    constraint pk_employee primary key (emp_no),
    constraint fk_employee foreign key (dept_no)
references department(dept_no));
```

Write the code for an Oracle structure (or structures), that will **automatically** maintain the **derived column** dept\_total\_salary (the total salary for all the employees currently in the department) when modifications (insert, update or delete) are made to the employee table.