

as b66,6 1002

981110998 سارا دانش

R(A, B, C, D, E, F)

W(B, A, F) = 14

B ⊆ A ← F X F + F X F = EA

Course(CollID, Name, PreCollID)

u = F. 111

with recursive parent as (

select Course.CollID, Course.Name, Course.PreCollID

from Course where Course.CollID = E. 111

union all select Course.CollID, Course.Name, Course.PreCollID

from Course inner join Parent on Parent.PreCollID = Course.CollID

)

select Parent.name, Parent.CollID

from Parent where Parent.CollID <> E. 111

۱/۳
۱/۱ ← کسری ← اگر صفاتی که در دسترس نیستند nullable باشد ← پذیرا است
کسری از جدول مقرون شد به پذیرا نیست

۱/۲ ← کسری ← Student از جدول Student ← پذیرا است

۱/۳ ← کسری ← طوری که نیامده و نمی تواند null باشد ← پذیرا نیست

۱/۴ ← کسری ← Grouping و Section ← پذیرا نیست

۱/۵ ← کسری ← STID = 95150910 ← موجود ← مطلوب ندارد

۱/۶ ← کسری ← check → داده ها → در → ۱/۷ → موجود → است

Student (STID, name, grade, region)

Course (COID, title, Credit, type)

STC (STID, COID, term, year, grade)

insert into student

values ('95150910', 'Zahra', null, null)

insert into course

values ('40384', null, null, null)

insert into STC

values ('95150910', '40384',)

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- از 'with check' استفاده شده است \rightarrow $\frac{p}{p}$ (در اینجا p به معنی p است)

with local check option استفاده شده است \rightarrow $\frac{p}{p}$ (در اینجا p به معنی p است) \rightarrow $\frac{p}{p}$ (در اینجا p به معنی p است)

with cascade check option \rightarrow $\frac{p}{p}$ (در اینجا p به معنی p است) \rightarrow $\frac{p}{p}$ (در اینجا p به معنی p است) \rightarrow $\frac{p}{p}$ (در اینجا p به معنی p است)

Create trigger nameT

after insert on dep
referencing new as n

For each row (
when n.bname not null and n.bname != 'Melli')

begin

update deposit

employee (ID, name, Salary, DepNo, SupervisorID).

Department (DepNo, name, totalSal, managerID)

Salary = $\sum \text{Salary} = \text{totalSal}$

Create trigger totals

after update of salary on employee

referring old as o, new as n

For each row (

when n.Salary != o.Salary and n.Salary is not null,
begin

update department set totalSal = totalSal + n.Salary
- o.Salary

where department.DepartmentID = n.departmentID
end

↑ 1.1 x Salary, ↑ 1.1 x

Create trigger increaseSalary

after update of salary on employee

referring old as o, new as n

For each row (

when o.Salary != n.Salary and n.Salary is not null
begin

update employee set salary = 1.1 x Salary
where employee.managerID = n.employeeID

end

Create assertion department region

check not exist (

select * from student group by department
having count(region) = 1)

✓
P
a, b, c, d, e, f, g, h, i, j, k, l, m, n, o, p, q, r, s, t, u, v, w, x, y, z
dep → region

Create assertion region department

check not exist (

select * from student group by major
having count(department) = 1)

✓
P
a, b, c, d, e, f, g, h, i, j, k, l, m, n, o, p, q, r, s, t, u, v, w, x, y, z
region → dep

Create assertion student name

check not exist (

select * from student group by name
having count(*) > 1)

✓
P
a, b, c, d, e, f, g, h, i, j, k, l, m, n, o, p, q, r, s, t, u, v, w, x, y, z
student → name

$S(SID, SName, level, City)$ مستودع
 $P(PID, PName, weight)$ مطابق
 $SP(SID, PID, QTY)$ مطابق تولیدی توسط تولیدکننده

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Create assertion notproductlevel
 check not exist (select * from SP
 join S on S.SID = SP.SID
 where SP.PID = 'P' and S.level < 5)

یعنی هر چیزی که در سطح تولیدی P تولید شده باشد

Create assertion productlevel
 check not exist (select * from S
 where S.level > 5 and S.SID not in (
 select SP.SID from SP where SP.QTY > 0 and SP.PID = 'P')

یعنی هر چیزی که در سطح تولیدی P تولید شده باشد