

$$1) R_1 = \pi_{AO, \text{adult}, M. \text{cilia}} (AO \bowtie O \bowtie S \bowtie M)$$

AO.gena = o. id O.soda = s. id S.musae = M. id

$$R_1 \div (\sum_{\text{cilia} \leftarrow \text{id}} (\pi_{\text{id}}(c)))$$

$$2) R_2 = \pi_{S, \text{museo}, S. \text{ed}, S. \text{num-ofere}} (S \bowtie M)$$

S.museo M. id

$$R_2 = R_1$$

$$R_3 = \pi_{R_2, \text{museo}, R_2, \text{cilia}, R_2, \text{id}} (R_1 \bowtie R_2)$$

R1.museo = R2.museo
R1.cilia = R2.cilia
R1.id = R2.id

\wedge

R1.num.ofere > R2.num.ofere

$$(\pi_{R_1, \text{museo}, R_1, \text{cilia}, R_1, \text{id}} (R_1)) \setminus R_3$$

SQL

1) Create VIEW NumerofTumericilla'diverse AS

(Select sp. ofera , count(*) as numoftumerci)

From Spostamenti sp , Sale s₁, Musei m₁, Sale s₂, Musei m₂

Where

s₁. museo = m₁. id AND

s₂. museo = m₂. id AND

SP . scaldia = s₁. id AND

SP . sali fer = s₂. id AND

AND m₁. villa > m₂. villa

(group by sp. ofera)

Select *

From NumerofTumericilla'diverse NSCD

Where num.ofTumerci = (Select max(num.ofTumerci))

From NumerofTumericilla'diverse)

Create VIEW numerospostamenti AS

(Select s.meser, sp.Opera, count(*) num.spstamenti

From Spstamenti sp, Sale s

Where sp.sala_da = s.sal

Group by s.meser, sp.Opera)

Create VIEW numerospostamenti.media AS

(Select s.meser, Avg(num.spstamenti) media

From numerospostamenti

Group by meser)

Create TRIGGER limitspostamenti

after insert on spstamenti

for each ROW

DECLARE ms, num INTEGER

BEGIN

Select num.spstamenti into ms

From numerospostamenti

Where opera = NEW.opera ;

Select media into mm

From numbersofstatementivedix NS M , Salas

Where NSM . muser = S. muser

AND S. id = NEW. sala - da;

IF (m > mm) THEN

DELETE FROM SPOSTMENT;

Where sala - da = NEW. sala - da

AND sala - per = NEW. sala - per

AND ofeu = NEW. ofeu

AND misir = NEW. misir

AND fine = NEW. fine ;

END IF

END