Views

Answer 1:

create view emp\_vw

as

select FirstName, LastName, EmployeeID, Address

from Employees

where City in ('london', 'tacoma')

Answer 2:

create view pro\_vm

as

select distinct CategoryID, avg(unitprice) over (partition by CategoryID) as avg\_cat

from Products

where CategoryID in (1, 2, 4)

Answer 3:

create view pro\_vm

as

select distinct c.CategoryName, avg(p.UnitPrice) over (partition by p.CategoryID) as avg\_cat

from Products p join Categories c

on p.CategoryID = c.CategoryID

where p.CategoryID in (1, 2, 4)

group by c.CategoryName, p.UnitPrice, p.CategoryID

having avg(p.UnitPrice) > 25

Answer 4:

create view cust\_order\_vw

as

select distinct c.CompanyName, COUNT(o.CustomerID) over (partition by o.CustomerID) as count\_orders

from Customers c join Orders o

on c.CustomerID = o.CustomerID

Answer 5:

select companyname

from cust\_order\_vw

where count\_orders >10

Answer 6:

create view prods

as

select ProductID, ProductName, UnitPrice , (UnitsInStock-UnitsOnOrder) as unitsleft

from Products

where UnitPrice < 30

Answer 7:

A. update prods

set ProductName = 'jiffa'

where ProductID = 52

B. update prods

set UnitPrice = 31

where ProductID = 52

C. הפריט לא נמצא יותר מכיוון שהמחיר שלו מעל 30, כפי שהוגדר. לכן לא מוצג

D. לא הצלחתי מכיוון שזו לא עמודה אמתית מהטבלה המקורית אלה זו עמודה שיצרנו

Answer 8:

create view prods

as

select ProductID, ProductName, UnitPrice , (UnitsInStock-UnitsOnOrder) as unitsleft

from Products

where UnitPrice < 30

with check option

A. הייתה לי אפשרות לשנות את שם המוצר מכיוון שהעדכון לא מתנגש עם התנאי של השאילתה

B. לא הייתה לי אפשרות לעדכן את המחיר של המוצר מכיוון שהמחיר אליו אני מעוניין לעדכן חורג מהתנאי שמוגדר בשאילתה

# Views – (using edate)

**Answer 1:**

create view Operation.SomeInvitations

as

select Id, RequestingSessionId, ReceivingMemberId, CreationDateTime, StatusId, ResponseDateTime

from Operation.Invitations

where StatusId = 3

B. insert into Operation.SomeInvitations

values (1111, 2222, getdate(),3, getdate())

C. alter view Operation.SomeInvitations

as select Id, RequestingSessionId, ReceivingMemberId, CreationDateTime, StatusId

from Operation.Invitations

where StatusId = 3

D. לא ניתן לעדכן את הנתונים מכיוון שחסרה עמודה, לכן כדי לנצליח לעדכן את הנתונים צריך להזין נתונים ללא העמודה שהסרנו

E. insert into Operation.SomeInvitations

values (3333, 4444, getdate(),3)

F. alter view Operation.SomeInvitations

as

select Id, RequestingSessionId, CreationDateTime, StatusId

from Operation.Invitations

where StatusId = 3

G. לא ניתן לעדכן את הנתונים מכיוון שחסרה עמודה, לכן כדי להצליח לעדכן את הנתונים צריך להזין נתונים ללא העמודות שהסרנו

H. alter view Operation.SomeInvitations

as

select Id, RequestingSessionId, ReceivingMemberId, CreationDateTime, StatusId

from Operation.Invitations

where StatusId = 3

I. insert into Operation.SomeInvitations

values (3333, 4444, getdate(),2)

J. alter view Operation.SomeInvitations

as

select Id, RequestingSessionId, ReceivingMemberId, CreationDateTime, StatusId

from Operation.Invitations

where StatusId = 3

with check option

K. לא ניתן להזין את הנתונים לפי סעיף זה מכיוון שהם נוגדים את התנאי שיצרנו

L. alter view Operation.SomeInvitations

as

select o1.Id, o1.RequestingSessionId, o1.ReceivingMemberId, o1.CreationDateTime, o1.StatusId, o2.MemberId

from Operation.Invitations o1 join Operation.MemberSessions o2

on o1.Id = o2.Id

where StatusId = 3

with check option

M. לא ניתן להזין נתונים מכיוון שיש התייחסות ל-2 טבלאות לכן לא ניתן לעדכן נתונים. רק במידה ומדובר על טבלה אחת שקבלה התייחסות

N. create view Operation.MemberSessionsView

as

select id, MemberId, LoginDateTime, EndDateTime, EndReasonId

from Operation.MemberSessions

O. create view Operation.LastMonthSessions

as

select id, MemberId, LoginDateTime, EndDateTime, EndReasonId

from Operation.MemberSessionsView

where month(LoginDateTime) = month(dateadd(day,-32,getdate()))

P. create view Operation.SingleMemberSessions

as

select o1.Id, o1.MemberId, o2.FirstName, o2.LastName, o1.LoginDateTime, o1.EndDateTime, o1.EndReasonId

from Operation.MemberSessions o1 join Operation.Members o2

on o1.MemberId = o2.Id

where o2.MaritalStatusId = 1

Q.

R.

S. create view Operation.femaleitalianmembers

as

select id as memberID, FirstName +''+ LastName as 'member name', RegistrationDateTime as RegistrationDate

from Operation.Members

where CountryId = 5 and GenderId = 2

T. select om.MemberId, opf.[member name], om.Id as sessionID, om.LoginDateTime

from Operation.MemberSessions om join Operation.femaleitalianmembers as opf

on om.memberid = opf.memberid

where year(om.LoginDateTime) = year(getdate())

U. We can't insert a new member into the view because there are columns that don't appear in the view and are defined as not null. To successfully insert into the view we need to alter the view and add these columns.

V. alter view Operation.femaleitalianmembers

as

select id as memberID,Username,Password, FirstName, LastName,

CountryId, EmailAddress, GenderId, BirthDate, RegistrationDateTime as RegistrationDate

from Operation.Members

where CountryId = 5 and GenderId = 2

W. insert into Operation.femaleitalianmembers

values ('pola', 1234, 'tal', 'cohen', 5, 'pola@gmail.com', 2, '01/06/1989',getdate())

X. insert into Operation.femaleitalianmembers

values ('yogi', 123456, 'yogev', 'cohen', 1, 'yogi@gmail.com', 1, '11/09/1986',getdate())

select \*

from Operation.Members

where id = @@IDENTITY

Y. alter view Operation.femaleitalianmembers

as

select id as memberID,Username,Password, FirstName, LastName,

CountryId, EmailAddress, GenderId, BirthDate, RegistrationDateTime as RegistrationDate

from Operation.Members

where CountryId = 5 and GenderId = 2

with check option

insert into Operation.femaleitalianmembers

values ('ya', 654321, 'yariv', 'cohen', 1, 'yariv@gmail.com', 1, '28/08/1990',getdate())

