**פרק 20 – Views**

use eDate

go

--1.

create view Operation.SomeInvitations\_vw

as

select id, RequestingSessionId, receivingMemberId, CreationDateTime, statusId, ResponseDateTime

from operation.Invitations

--b.

insert into Operation.SomeInvitations\_vw

values (458789,55768,'2018-12-03 21:25:43', 3,'2018-12-04 16:34:55')

--c.

alter view Operation.SomeInvitations\_vw

as

select id, RequestingSessionId, receivingMemberId, CreationDateTime, statusId

from operation.Invitations

--d. cannot insert. is thinking to id

--e.

insert into Operation.SomeInvitations\_vw

values (459789,55768,'2018-12-04 21:25:43', 3)

--f.

alter view Operation.SomeInvitations\_vw

as

select id, RequestingSessionId, CreationDateTime, statusId

from operation.Invitations

--g. cannot insertnull to NN column

insert into Operation.SomeInvitations\_vw

values (459789,'2018-12-04 21:25:43', 3)

--h.

alter view Operation.SomeInvitations\_vw

as

select id, RequestingSessionId, receivingMemberId, CreationDateTime, statusId

from operation.Invitations

--i. cannot insertnull to NN column

insert into Operation.SomeInvitations\_vw

values (459889,55868,'2018-12-04 21:25:43', 2)

--j.

alter view Operation.SomeInvitations\_vw

as

select id, RequestingSessionId, receivingMemberId, CreationDateTime, statusId

from operation.Invitations

WITH CHECK OPTION

--k.

insert into Operation.SomeInvitations\_vw

values (459889,55868,'2018-12-05 21:25:43', 2)

--l.

alter view Operation.SomeInvitations\_vw

as

select i.id, i.RequestingSessionId, i.receivingMemberId, i.CreationDateTime, i.statusId, m.MemberId

from operation.Invitations i join Operation.MemberSessions m

on i.receivingMemberid = m.MemberId

WITH CHECK OPTION

--m. cannot update becuse there are now multiple tables.

insert into Operation.SomeInvitations\_vw

values (459889,55868,'2018-12-05 21:25:43', 2)

--n.

create view Operation.MemberSessionsView\_vw

as

select id, MemberId, LoginDateTime, EndDateTime, EndReasonId

from Operation.MemberSessions

--o

create view Operation.LastMonthSessions\_vw

as

select id, MemberId, LoginDateTime, EndDateTime, EndReasonId

from Operation.MemberSessionsView\_vw

where month(LoginDateTime) = month(getdate())-1

--p.

create view Operation.SingleMembersSessions\_vw

as

select ms.Id, ms.MemberId, LoginDateTime, EndDateTime, EndReasonId

from Operation.MemberSessions ms join Lists.MaritalStatuses m

on ms.MemberId = m.Id

where m.name = 'Single'

--q.

create view Operation.MembersSessionStatistics\_vw

as

select c.Name as country, g.Name as gender, ms.Name as MaritalStatus,

count(mss.Id) as numberOfSessions ,

avg(abs(datepart(ss,mss.EndDateTime)- datepart(ss,mss.LoginDateTime))) as averageSessionDuration

from lists.Countries c, lists.Genders g, Lists.MaritalStatuses ms,

Operation.MemberSessions mss, Operation.Members mems, lists.SessionEndReasons ser

where mems.Id =mss.MemberId

and mems.GenderId =g.Id

and c.Id = mems.CountryId

and mems.MaritalStatusId = ms.Id

and ser.Id = mss.EndReasonId

and ser.Id = 2

group by c.Name, g.Name, ms.Name

--r

alter view Operation.MembersSessionStatistics\_vw

as

select c.Name as country, g.Name as gender, ms.Name as MaritalStatus,

count(mss.Id) as numberOfSessions ,

avg(abs(datepart(ss,mss.EndDateTime)- datepart(ss,mss.LoginDateTime))) as averageSessionDurationO,

avg(abs(datepart(ss,closedSessions.EndDateTime)- datepart(ss,closedSessions.LoginDateTime))) as averageSessionDuration,

count(sessions.Id) as numberOfOpenClosedSessions

from lists.Countries c, lists.Genders g, Lists.MaritalStatuses ms,

Operation.MemberSessions mss, Operation.Members mems, lists.SessionEndReasons ser,

(

select mss.MemberId, mss.Id, mss.EndDateTime

from Operation.MemberSessions mss, lists.SessionEndReasons ser

--on ser.Id = mss.EndReasonId

where (ser.Id = 2 or mss.EndDateTime is null)

)as sessions right join

(

select mss.MemberId, mss.EndDateTime as EndDateTime, mss.LoginDateTime as LoginDateTime

from Operation.MemberSessions mss, lists.SessionEndReasons ser

--on ser.Id = mss.EndReasonId

where ser.Id = 2

)as closedSessions

on closedSessions.MemberId= sessions.MemberId

where mems.Id =mss.MemberId

and mems.GenderId =g.Id

and c.Id = mems.CountryId

and mems.MaritalStatusId = ms.Id

--and ser.Id = mss.EndReasonId

group by c.Name, g.Name, ms.Name

--s.

create view Operation.FemaleItalianMembers\_vw

as

select memb.Id as memberId, memb.FirstName as memberName, memb.RegistrationDateTime as registrationDate

from Operation.Members memb join lists.Countries c

on c.Id = memb.CountryId join lists.Genders g

on g.Id = memb.GenderId

where c.Name = 'italy'

and g.Name='female'

--t.

select itmem.memberId, itmem.memberName, memsess.Id as sessionId, memsess.LoginDateTime

from Operation.FemaleItalianMembers\_vw itmem join Operation.MemberSessions memsess

on itmem.memberId = memsess.MemberId

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

--u.

insert into Operation.FemaleItalianMembers\_vw

values ('gfdfgd', '2018-11-21 07:42:59')

--cannot insert null into not null columns.

--v.

alter view Operation.FemaleItalianMembers\_vw

as

select memb.Id as memberId, memb.Username, memb.Password, memb.FirstName as memberName, memb.LastName,

memb.CountryId, memb.EmailAddress, memb.GenderId, memb.BirthDate, memb.RegistrationDateTime as registrationDate

from Operation.Members memb

where memb.CountryId =5

and memb.GenderId = 2

--w.

insert into Operation.FemaleItalianMembers\_vw

values ('ghtrew', '65432', 'Avig', 'Bento',2, 'fgdfhg@ghjk', 2,

'2010-11-21 07:42:59', '2018-11-21 07:42:59')

--x.

insert into Operation.FemaleItalianMembers\_vw

values ('ghtrew', '65432', 'Avig', 'Bento',1, 'fgdfhg@ghjk', 1,

'2010-11-21 07:42:59', '2018-11-21 07:42:59')

select \* from Operation.FemaleItalianMembers\_vw

where CountryId = 1

--hes not in the view because of the conditionooking for only italian

--y.

alter view Operation.FemaleItalianMembers\_vw

as

select memb.Id as memberId, memb.Username, memb.Password, memb.FirstName as memberName, memb.LastName,

memb.CountryId, memb.EmailAddress, memb.GenderId, memb.BirthDate, memb.RegistrationDateTime as registrationDate

from Operation.Members memb

where memb.CountryId =5

and memb.GenderId = 2

WITH CHECK OPTION

insert into Operation.FemaleItalianMembers\_vw

values ('ghtrew', '65432', 'YANV', 'Bento',1, 'fgdfhg@ghjk', 1,

'2010-11-21 07:42:59', '2018-11-21 07:42:59')

--select \* from operation.Invitations

select \* from Operation.MemberSessions mss where mss.EndDateTime is null

select \* from lists.Countries ser

select \* from lists.Genders

select \* from Operation.Members

select \* from Operation.MemberSessions