Table Constraints - using eDate

Answer 1:

alter table [Lists].[Countries]

add primary key clustered (id)

alter table [Lists].[Genders]

add primary key clustered (id)

alter table [Lists].[InvitationStatuses]

add primary key clustered (id)

alter table [Lists].[MaritalStatuses]

add primary key clustered (id)

alter table [Lists].[SessionEndReasons]

add primary key clustered (id)

Answer 2:

ALTER TABLE [Lists].[Countries]

ADD CONSTRAINT AK\_name1 UNIQUE (name)

ALTER TABLE [Lists].[Genders]

ADD CONSTRAINT AK\_name2 UNIQUE (name)

ALTER TABLE [Lists].[InvitationStatuses]

ADD CONSTRAINT AK\_name3 UNIQUE (name)

ALTER TABLE [Lists].[MaritalStatuses]

ADD CONSTRAINT AK\_name4 UNIQUE (name)

ALTER TABLE [Lists].[SessionEndReasons]

ADD CONSTRAINT AK\_name5 UNIQUE (name)

Answer 3:

ALTER TABLE [Lists].[Countries]

ADD CONSTRAINT FK\_Countries\_members FOREIGN KEY (id)

REFERENCES [Operation].[Members] ([CountryId])

ON DELETE CASCADE

ON UPDATE CASCADE

ALTER TABLE [Lists].[Genders]

ADD CONSTRAINT FK\_Genders\_members FOREIGN KEY (id)

REFERENCES [Operation].[Members] ([GenderId])

ON DELETE CASCADE

ON UPDATE CASCADE

ALTER TABLE [Lists].[InvitationStatuses]

ADD CONSTRAINT FK\_InvitationStatuses\_\_Invitation FOREIGN KEY (id)

REFERENCES [Operation].[Invitations] ([StatusId])

ON DELETE CASCADE

ON UPDATE CASCADE

ALTER TABLE [Lists].[MaritalStatuses]

ADD CONSTRAINT FK\_MaritalStatuse\_\_OperationMemberSessions FOREIGN KEY (id)

REFERENCES [Operation].[MemberSessions] ([Id])

ON DELETE CASCADE

ON UPDATE CASCADE

ALTER TABLE [Lists].[SessionEndReasons]

ADD CONSTRAINT FK\_SessionEndReasons\_\_OperationMemberSessions FOREIGN KEY (id)

REFERENCES SessionEndReasons ([Id])

ON DELETE CASCADE

ON UPDATE CASCADE

Answer 4:

alter TABLE [Operation].[MemberSessions]

add CONSTRAINT PK\_ID PRIMARY KEY NONCLUSTERED (ID)

with FILLFACTOR = 80

ON [PRIMARY]

Answer 5:

create table Operation.MemberSearches

(

ID int identity (1,10) not null,

SessionID int not null,

DateAndTime datetime2(0) not null default (sysdatetime()),

Searchcriteria xml not null,

SearchResultCount int not null

CONSTRAINT PK\_OperationMemberSearches\_ID PRIMARY KEY CLUSTERED (ID asc)

WITH fillfactor = 100,

CONSTRAINT FK\_OperationMemberSearches\_\_OperationMemberSessions FOREIGN KEY (sessionID)

REFERENCES Operation.MemberSessions (Id),

CHECK (SearchResultCount >= 0),

) ON [PRIMARY]

Answer 6:

alter table [Operation].[Members]

with check add constraint CHK\_Members18 check (year(getdate())-year(birthdate)>=18)

Answer 7:

-- Will not work because of the check constraint

declare @i int = 0

while (@i <100)

begin

insert into [Operation].[Members] ([Username],[Password],[FirstName],[LastName],[CountryId],[EmailAddress],[GenderId],[BirthDate],[RegistrationDateTime])

values (cast(RAND()as varchar(10)), cast(RAND()as varchar(10)),

cast(RAND()as varchar(20)), cast(RAND()as varchar(20)),1, cast(RAND()as varchar(20))+'@gmail.com', 2, '11-09-2015', getdate())

set @i = @i + 1

end

-- disable the check constraint, now we can run the script

ALTER TABLE [Operation].[Members] NOCHECK CONSTRAINT ALL

-- enable the check constraint

ALTER TABLE [Operation].[Members] CHECK CONSTRAINT ALL

Answer 8:

DROP INDEX idx\_7

ON [Operation].[Members]

GO

alter TABLE [Operation].[Members]

add CONSTRAINT PK\_OperationMembers\_ID PRIMARY KEY NONCLUSTERED (ID asc)

with FILLFACTOR = 100

ON [PRIMARY]

Answer 9:

alter table [Operation].[MemberSessions]

add constraint FK\_MemberS\_Sessions foreign key (MemberId)

references [Operation].[Members] (id)

Answer 10:

alter table [Operation].[Members] with nocheck

add constraint CHK\_Email\_@ check (EmailAddress like '%@%')

Answer 11:

SELECT OBJECT\_NAME(object\_id) AS ConstraintName,

SCHEMA\_NAME(schema\_id) AS SchemaName,

OBJECT\_NAME(parent\_object\_id) AS TableName,

type\_desc AS ConstraintType

FROM sys.objects

WHERE type\_desc LIKE '%CONSTRAINT'