

CoolCram Demo For (70-029) SQL Server 7.0 Implementing

You are developing a **Personnel** database for your company. This database includes an **employee** table that is defined as follows:

```
CREATE TABLE employee (  
    Id                int IDENTITY NOTNULL,  
    Surname           varchar (50)  NOTNULL,  
    FirstName         varchar(50)   NOTNULL,  
    SocialSecurityNo  char(10)     NOTNULL,  
    Extensio          char(4)       NOTNULL,  
    EmailAddress      varchar(255)  NOTNULL)
```

Your company provides each employee with a telephone extension number and a e-mail address.

Each employee must have a unique telephone extension number and a unique e-mail address. In addition, you must prevent duplicate Social Security numbers from being entered into the database.

How can you alter the table to meet all of the requirements?

A. ALTER TABLE employee

```
ADD CONSTRAINT u_nodups UNIQUE NONCLUSTERED (SocialSecurityNo, Extension,  
EmailAddress)
```

B. ALTER TABLE employee

```
ADD CONSTRAINT u_nodups UNIQUE CLUSTERED  
(SocialSecurityNo, Extension, EmailAddress)
```

C. ALTER TABLE employee

```
ADD CONSTRAINT u_nodupss UNIQUE NONCLUSTERED (SocialSecurityNo)  
ALTER TABLE employee  
ADD CONSTRAINT u_nodupext UNIQUE NONCLUSTERED (Extension)  
ALTER TABLE employee  
ADD CONSTRAINT u_nodupemail UNIQUE NONCLUSTERED (EmailAddress)
```

D. ALTER TABLE employee

```
ADD CONSTRAINT u_nodupss CHECK (SocialSecurityNo = 'UNIQUE')  
ALTER TABLE employee  
ADD CONSTRAINT u_nodupext CHECK (Extension = 'UNIQUE')  
ALTER TABLE employee  
ADD CONSTRAINT u_nodupemail CHECK (EmailAddress = 'UNIQUE')
```

Answer: C

You are implementing a logical data model for an online transaction processing (OLTP) application. One entity from the logical model is in third normal form and currently has 10

attributes. One attribute is the primary key. Six of the attributes are foreign key references into six other entities. The last three attributes represent columns that hold numeric values.

How should this entity from the logical model be implemented?

A. Create a table by denormalizing the entity. Add the information from the six foreign key references as additional columns of the table.

B. Create two tables by denormalizing the entity. Add the primary key and the three numeric values as columns of one table. Add the primary key and the information from the six foreign key references as columns of the other table.

C. Create the table as described in the logical data model.

D. Create a view that joins the six foreign key references.

Answer: C