

CUIEEPrintFile2

```
CREATE TABLE [Brokrage]
```

```
(
```

```
    [BrokerID]          integer NOT NULL ,
```

```
    [BrokrageRate]      char(18) NULL ,
```

```
    [BrokrageForItem]    char(18) NULL
```

```
)
```

```
go
```

```
ALTER TABLE [Brokrage]
```

```
    ADD CONSTRAINT [XPKBrokrage] PRIMARY KEY CLUSTERED ([BrokerID] ASC)
```

```
go
```

```
CREATE TABLE [Buy]
```

```
(
```

```
    [AccountID]          integer NOT NULL ,
```

```
    [ContractID]         integer NOT NULL ,
```

```
    [BuyID]              char(18) NOT NULL ,
```

```
    [Rate]              char(18) NULL ,
```

```
    [Quantity]          char(18) NULL ,
```

```
    [BuyDate]           char(18) NULL ,
```

```
    [BrokerID]          integer NULL ,
```

```
    [TaxID]             integer NULL ,
```

```
    [Brokrage]          char(18) NULL ,
```

```

                                CUIEEPrintFile2
[Tax]                          char(18)  NULL ,
[Total]                        char(18)  NULL
)
go

```

```

ALTER TABLE [Buy]

    ADD CONSTRAINT [XPKAccount_Contract] PRIMARY KEY CLUSTERED ([BuyID]
ASC,[AccountID] ASC,[ContractID] ASC)

go

```

```

CREATE TABLE [Contracts]
(
    [ContractID]          integer  NOT NULL ,
    [ContractName]        char(18)  NULL ,
    [OpenPrice]           char(18)  NULL ,
    [ClosePrice]          char(18)  NULL ,
    [HighPrice]           char(18)  NULL ,
    [LowPrice]            char(18)  NULL ,
    [Type]                char(18)  NULL ,
    [ExpiryDate]          char(18)  NULL
)
go

```

```

ALTER TABLE [Contracts]

    ADD CONSTRAINT [XPKContract] PRIMARY KEY CLUSTERED ([ContractID] ASC)

```

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go

CREATE TABLE [IntraDay]

(

[TransactionID] integer NOT NULL ,

[BRate] char(18) NULL ,

[SRate] char(18) NULL ,

[Quantity] char(18) NULL ,

[TransactionDate] char(18) NULL ,

[AccountID] integer NOT NULL ,

[ContractID] integer NOT NULL ,

[BrokerID] integer NULL ,

[TaxID] integer NULL ,

[Brokrage] char(18) NULL ,

[Tax] char(18) NULL ,

[Total] char(18) NULL

)

go

ALTER TABLE [IntraDay]

ADD CONSTRAINT [XPKIntraDay] PRIMARY KEY CLUSTERED ([TransactionID]
ASC,[AccountID] ASC,[ContractID] ASC)

go

CREATE TABLE [Inventory]

```
(
    [AverageCost]      char(18)  NULL ,
    [AccountID]         integer   NOT NULL ,
    [ContractID]        integer   NOT NULL ,
    [InventoryItemID]   integer   NOT NULL ,
    [BuyID]             char(18)  NULL ,
    [SellID]            integer   NULL
)
```

go

ALTER TABLE [Inventory]

```
ADD CONSTRAINT [XPKInventory] PRIMARY KEY CLUSTERED ([InventoryItemID]
ASC,[AccountID] ASC,[ContractID] ASC)
```

go

CREATE TABLE [Sell]

```
(
    [AccountID]         integer   NOT NULL ,
    [ContractID]        integer   NOT NULL ,
    [SellID]            integer   NOT NULL ,
    [Rate]              char(18)  NULL ,
    [Quantity]          char(18)  NULL ,
    [SellDate]          char(18)  NULL ,
    [BrokerID]          integer   NULL ,
```

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```
[TaxID]          integer  NULL ,
[Brokrage]       char(18)  NULL ,
[Tax]            char(18)  NULL ,
[Total]          char(18)  NULL
```

)

go

ALTER TABLE [Sell]

```
ADD CONSTRAINT [XPKAccount_Contract] PRIMARY KEY CLUSTERED ([AccountID]
ASC,[ContractID] ASC,[SellID] ASC)
```

go

CREATE TABLE [Taxes]

(

```
[TaxID]          integer  NOT NULL ,
[TaxRate]        char(18)  NULL ,
[TaxName]        char(18)  NULL
```

)

go

ALTER TABLE [Taxes]

```
ADD CONSTRAINT [XPKTax] PRIMARY KEY CLUSTERED ([TaxID] ASC)
```

go

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```
CREATE TABLE [UserAccount]
```

```
(
```

```
    [AccountID]          integer NOT NULL ,
```

```
    [AccName]            varchar(150) NULL ,
```

```
    [StartYear]          datetime NULL ,
```

```
    [EndYear]            datetime NULL
```

```
)
```

```
go
```

```
ALTER TABLE [UserAccount]
```

```
    ADD CONSTRAINT [XPKAccount] PRIMARY KEY CLUSTERED ([AccountID] ASC)
```

```
go
```

```
ALTER TABLE [Buy]
```

```
    ADD CONSTRAINT [R_6] FOREIGN KEY ([AccountID]) REFERENCES  
[UserAccount]([AccountID])
```

```
        ON DELETE NO ACTION
```

```
        ON UPDATE NO ACTION
```

```
go
```

```
ALTER TABLE [Buy]
```

```
    ADD CONSTRAINT [R_7] FOREIGN KEY ([ContractID]) REFERENCES  
[Contracts]([ContractID])
```

```
        ON DELETE NO ACTION
```

```
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ON UPDATE NO ACTION
```

```
go
```

```
ALTER TABLE [Buy]
```

```
ADD CONSTRAINT [R_13] FOREIGN KEY ([BrokerID]) REFERENCES
[Brokrage]([BrokerID])
```

```
ON DELETE NO ACTION
```

```
ON UPDATE NO ACTION
```

```
go
```

```
ALTER TABLE [Buy]
```

```
ADD CONSTRAINT [R_16] FOREIGN KEY ([TaxID]) REFERENCES [Taxes]([TaxID])
```

```
ON DELETE NO ACTION
```

```
ON UPDATE NO ACTION
```

```
go
```

```
ALTER TABLE [IntraDay]
```

```
ADD CONSTRAINT [R_11] FOREIGN KEY ([AccountID]) REFERENCES
[UserAccount]([AccountID])
```

```
ON DELETE NO ACTION
```

```
ON UPDATE NO ACTION
```

```
go
```

```
ALTER TABLE [IntraDay]
```

```
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    ADD CONSTRAINT [R_12] FOREIGN KEY ([ContractID]) REFERENCES
[Contracts]([ContractID])

        ON DELETE NO ACTION

        ON UPDATE NO ACTION

go
```

```
ALTER TABLE [IntraDay]

    ADD CONSTRAINT [R_15] FOREIGN KEY ([BrokerID]) REFERENCES
[Brokrage]([BrokerID])

        ON DELETE NO ACTION

        ON UPDATE NO ACTION

go
```

```
ALTER TABLE [IntraDay]

    ADD CONSTRAINT [R_18] FOREIGN KEY ([TaxID]) REFERENCES [Taxes]([TaxID])

        ON DELETE NO ACTION

        ON UPDATE NO ACTION

go
```

```
ALTER TABLE [Inventory]

    ADD CONSTRAINT [R_19] FOREIGN KEY ([AccountID]) REFERENCES
[UserAccount]([AccountID])

        ON DELETE NO ACTION

        ON UPDATE NO ACTION

go
```


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```
ALTER TABLE [Inventory]
```

```
    ADD CONSTRAINT [R_20] FOREIGN KEY ([ContractID]) REFERENCES  
[Contracts]([ContractID])
```

```
        ON DELETE NO ACTION
```

```
        ON UPDATE NO ACTION
```

```
go
```

```
ALTER TABLE [Inventory]
```

```
    ADD CONSTRAINT [R_21] FOREIGN KEY ([BuyID],[AccountID],[ContractID])  
REFERENCES [Buy]([BuyID],[AccountID],[ContractID])
```

```
        ON DELETE NO ACTION
```

```
        ON UPDATE NO ACTION
```

```
go
```

```
ALTER TABLE [Inventory]
```

```
    ADD CONSTRAINT [R_22] FOREIGN KEY ([AccountID],[ContractID],[SellID])  
REFERENCES [Sell]([AccountID],[ContractID],[SellID])
```

```
        ON DELETE NO ACTION
```

```
        ON UPDATE NO ACTION
```

```
go
```

```
ALTER TABLE [Sell]
```

```
    ADD CONSTRAINT [R_3] FOREIGN KEY ([AccountID]) REFERENCES  
[UserAccount]([AccountID])
```

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ON DELETE NO ACTION

ON UPDATE NO ACTION

go

ALTER TABLE [Sell]

ADD CONSTRAINT [R_4] FOREIGN KEY ([ContractID]) REFERENCES
[Contracts]([ContractID])

ON DELETE NO ACTION

ON UPDATE NO ACTION

go

ALTER TABLE [Sell]

ADD CONSTRAINT [R_14] FOREIGN KEY ([BrokerID]) REFERENCES
[Brokrage]([BrokerID])

ON DELETE NO ACTION

ON UPDATE NO ACTION

go

ALTER TABLE [Sell]

ADD CONSTRAINT [R_17] FOREIGN KEY ([TaxID]) REFERENCES [Taxes]([TaxID])

ON DELETE NO ACTION

ON UPDATE NO ACTION

go

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```
CREATE TRIGGER tD_Brokrage ON Brokrage FOR DELETE AS

/* erwin Builtin Trigger */

/* DELETE trigger on Brokrage */

BEGIN

    DECLARE @errno    int,

            @severity int,

            @state     int,

            @errmsg    varchar(255)

    /* erwin Builtin Trigger */

    /* Brokrage IntraDay on parent delete no action */

    /* ERWIN_RELATION:CHECKSUM="0002caa7", PARENT_OWNER="", PARENT_TABLE="Brokrage"
    CHILD_OWNER="", CHILD_TABLE="IntraDay"
    P2C_VERB_PHRASE="", C2P_VERB_PHRASE="",
    FK_CONSTRAINT="R_15", FK_COLUMNS="BrokerID" */

    IF EXISTS (

        SELECT * FROM deleted,IntraDay

        WHERE

            /* %JoinFKPK(IntraDay,deleted," = "," AND") */

            IntraDay.BrokerID = deleted.BrokerID

    )

    BEGIN

        SELECT @errno = 30001,

               @errmsg = 'Cannot delete Brokrage because IntraDay exists.'

        GOTO error

    
```

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END

```
/* erwin Builtin Trigger */

/* Brokrage  Sell on parent delete no action */

/* ERWIN_RELATION:CHECKSUM="00000000", PARENT_OWNER="", PARENT_TABLE="Brokrage"
CHILD_OWNER="", CHILD_TABLE="Sell"
P2C_VERB_PHRASE="", C2P_VERB_PHRASE="",
FK_CONSTRAINT="R_14", FK_COLUMNS="BrokerID" */

IF EXISTS (

    SELECT * FROM deleted,Sell

    WHERE

        /* %JoinFKPK(Sell,deleted," = "," AND") */

        Sell.BrokerID = deleted.BrokerID

)

BEGIN

    SELECT @errno  = 30001,

           @errmsg = 'Cannot delete Brokrage because Sell exists.'

    GOTO error

END
```

```
/* erwin Builtin Trigger */

/* Brokrage  Buy on parent delete no action */

/* ERWIN_RELATION:CHECKSUM="00000000", PARENT_OWNER="", PARENT_TABLE="Brokrage"
CHILD_OWNER="", CHILD_TABLE="Buy"
```

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```
P2C_VERB_PHRASE="", C2P_VERB_PHRASE="",
FK_CONSTRAINT="R_13", FK_COLUMNS="BrokerID" */
IF EXISTS (
    SELECT * FROM deleted,Buy
    WHERE
        /* %JoinFKPK(Buy,deleted," = "," AND") */
        Buy.BrokerID = deleted.BrokerID
)
BEGIN
    SELECT @errno = 30001,
           @errmsg = 'Cannot delete Brokrage because Buy exists.'
    GOTO error
END

/* erwin Builtin Trigger */
RETURN

error:
    RAISERROR (@errmsg, -- Message text.
              @severity, -- Severity (0~25).
              @state) -- State (0~255).
    rollback transaction
END
```

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go

```
CREATE TRIGGER tu_Brokrage ON Brokrage FOR UPDATE AS

/* erwin Builtin Trigger */

/* UPDATE trigger on Brokrage */

BEGIN

    DECLARE @numrows int,
            @nullcnt int,
            @validcnt int,
            @insBrokerID integer,
            @errno int,
            @severity int,
            @state int,
            @errmsg varchar(255)

    SELECT @numrows = @@rowcount

    /* erwin Builtin Trigger */

    /* Brokrage IntraDay on parent update no action */

    /* ERWIN_RELATION:CHECKSUM="00031443", PARENT_OWNER="", PARENT_TABLE="Brokrage"
    CHILD_OWNER="", CHILD_TABLE="IntraDay"
    P2C_VERB_PHRASE="", C2P_VERB_PHRASE="",
    FK_CONSTRAINT="R_15", FK_COLUMNS="BrokerID" */

    IF
```

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```
/* %ParentPK(" OR",UPDATE) */

UPDATE(BrokerID)

BEGIN

IF EXISTS (

    SELECT * FROM deleted,IntraDay

    WHERE

        /* %JoinFKPK(IntraDay,deleted," = "," AND") */

        IntraDay.BrokerID = deleted.BrokerID

)

BEGIN

    SELECT @errno = 30005,

           @errmsg = 'Cannot update Brokrage because IntraDay exists.'

    GOTO error

END

END

/* erwin Builtin Trigger */

/* Brokrage Sell on parent update no action */

/* ERWIN_RELATION:CHECKSUM="00000000", PARENT_OWNER="", PARENT_TABLE="Brokrage"

CHILD_OWNER="", CHILD_TABLE="Sell"

P2C_VERB_PHRASE="", C2P_VERB_PHRASE="",

FK_CONSTRAINT="R_14", FK_COLUMNS="BrokerID" */

IF

    /* %ParentPK(" OR",UPDATE) */
```

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```
UPDATE(BrokerID)

BEGIN

  IF EXISTS (

    SELECT * FROM deleted,Sell

    WHERE

      /* %JoinFKPK(Sell,deleted," = "," AND") */

      Sell.BrokerID = deleted.BrokerID

  )

  BEGIN

    SELECT @errno  = 30005,

           @errmsg = 'Cannot update Brokrage because Sell exists.'

    GOTO error

  END

END

/* erwin Builtin Trigger */

/* Brokrage  Buy on parent update no action */

/* ERWIN_RELATION:CHECKSUM="00000000", PARENT_OWNER="", PARENT_TABLE="Brokrage"

   CHILD_OWNER="", CHILD_TABLE="Buy"

   P2C_VERB_PHRASE="", C2P_VERB_PHRASE="",

   FK_CONSTRAINT="R_13", FK_COLUMNS="BrokerID" */

IF

  /* %ParentPK(" OR",UPDATE) */

  UPDATE(BrokerID)
```


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BEGIN

IF EXISTS (

SELECT * FROM deleted,Buy

WHERE

/* %JoinFKPK(Buy,deleted," = "," AND") */

Buy.BrokerID = deleted.BrokerID

)

BEGIN

SELECT @errno = 30005,

@errmsg = 'Cannot update Brokrage because Buy exists.'

GOTO error

END

END

/* erwin Builtin Trigger */

RETURN

error:

RAISERROR (@errmsg, -- Message text.

@severity, -- Severity (0~25).

@state) -- State (0~255).

rollback transaction

END

CUIEEPrintFile2

go

```
CREATE TRIGGER tD_Buy ON Buy FOR DELETE AS

/* erwin Builtin Trigger */

/* DELETE trigger on Buy */

BEGIN

    DECLARE @errno    int,

            @severity int,

            @state     int,

            @errmsg    varchar(255)

    /* erwin Builtin Trigger */

    /* Buy  Inventory on parent delete no action */

    /* ERWIN_RELATION:CHECKSUM="000575b8", PARENT_OWNER="", PARENT_TABLE="Buy"
    CHILD_OWNER="", CHILD_TABLE="Inventory"
    P2C_VERB_PHRASE="", C2P_VERB_PHRASE="",
    FK_CONSTRAINT="R_21", FK_COLUMNS="AccountID""ContractID""BuyID" */

    IF EXISTS (

        SELECT * FROM deleted,Inventory

        WHERE

            /* %JoinFKPK(InventorY,deleted," = "," AND") */

            Inventory.AccountID = deleted.AccountID AND
```

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```
Inventory.ContractID = deleted.ContractID AND

Inventory.BuyID = deleted.BuyID

)

BEGIN

    SELECT @errno = 30001,

           @errmsg = 'Cannot delete Buy because Inventory exists.'

    GOTO error

END

/* erwin Builtin Trigger */

/* Taxes Buy on child delete no action */

/* ERWIN_RELATION:CHECKSUM="00000000", PARENT_OWNER="", PARENT_TABLE="Taxes"
CHILD_OWNER="", CHILD_TABLE="Buy"
P2C_VERB_PHRASE="", C2P_VERB_PHRASE="",
FK_CONSTRAINT="R_16", FK_COLUMNS="TaxID" */

IF EXISTS (SELECT * FROM deleted,Taxes

WHERE

    /* %JoinFKPK(deleted,Taxes," = "," AND") */

    deleted.TaxID = Taxes.TaxID AND

    NOT EXISTS (

        SELECT * FROM Buy

        WHERE

            /* %JoinFKPK(Buy,Taxes," = "," AND") */

            Buy.TaxID = Taxes.TaxID
```

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```
)  
  
)  
  
BEGIN  
  
    SELECT @errno  = 30010,  
           @errmsg = 'Cannot delete last Buy because Taxes exists.'  
  
    GOTO error  
  
END  
  
  
/* erwin Builtin Trigger */  
/* Brokrage  Buy on child delete no action */  
/* ERWIN_RELATION:CHECKSUM="00000000", PARENT_OWNER="", PARENT_TABLE="Brokrage"  
CHILD_OWNER="", CHILD_TABLE="Buy"  
P2C_VERB_PHRASE="", C2P_VERB_PHRASE="",  
FK_CONSTRAINT="R_13", FK_COLUMNS="BrokerID" */  
IF EXISTS (SELECT * FROM deleted,Brokrage  
  
    WHERE  
  
        /* %JoinFKPK(deleted,Brokrage," = "," AND") */  
        deleted.BrokerID = Brokrage.BrokerID AND  
  
    NOT EXISTS (  
  
        SELECT * FROM Buy  
  
        WHERE  
  
            /* %JoinFKPK(Buy,Brokrage," = "," AND") */  
            Buy.BrokerID = Brokrage.BrokerID  
  
    )  
  
)
```

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)

BEGIN

SELECT @errno = 30010,

@errmsg = 'Cannot delete last Buy because Brokrage exists.'

GOTO error

END

/* erwin Builtin Trigger */

/* Contracts Buy on child delete no action */

/* ERWIN_RELATION:CHECKSUM="00000000", PARENT_OWNER="",
PARENT_TABLE="Contracts"

CHILD_OWNER="", CHILD_TABLE="Buy"

P2C_VERB_PHRASE="", C2P_VERB_PHRASE="",

FK_CONSTRAINT="R_7", FK_COLUMNS="ContractID" */

IF EXISTS (SELECT * FROM deleted,Contracts

WHERE

/* %JoinFKPK(deleted,Contracts," = "," AND") */

deleted.ContractID = Contracts.ContractID AND

NOT EXISTS (

SELECT * FROM Buy

WHERE

/* %JoinFKPK(Buy,Contracts," = "," AND") */

Buy.ContractID = Contracts.ContractID

)

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)

BEGIN

SELECT @errno = 30010,

@errmsg = 'Cannot delete last Buy because Contracts exists.'

GOTO error

END

/* erwin Builtin Trigger */

/* UserAccount Buy on child delete no action */

/* ERWIN_RELATION:CHECKSUM="00000000", PARENT_OWNER="",
PARENT_TABLE="UserAccount"

CHILD_OWNER="", CHILD_TABLE="Buy"

P2C_VERB_PHRASE="", C2P_VERB_PHRASE="",

FK_CONSTRAINT="R_6", FK_COLUMNS="AccountID" */

IF EXISTS (SELECT * FROM deleted,UserAccount

WHERE

/* %JoinFKPK(deleted,UserAccount," = "," AND") */

deleted.AccountID = UserAccount.AccountID AND

NOT EXISTS (

SELECT * FROM Buy

WHERE

/* %JoinFKPK(Buy,UserAccount," = "," AND") */

Buy.AccountID = UserAccount.AccountID

)

)

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BEGIN

SELECT @errno = 30010,

@errmsg = 'Cannot delete last Buy because UserAccount exists.'

GOTO error

END

/* erwin Builtin Trigger */

RETURN

error:

RAISERROR (@errmsg, -- Message text.

@severity, -- Severity (0~25).

@state) -- State (0~255).

rollback transaction

END

go

CREATE TRIGGER tU_Buy ON Buy FOR UPDATE AS

/* erwin Builtin Trigger */

/* UPDATE trigger on Buy */

BEGIN

DECLARE @numrows int,

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```
@nullcnt int,  
@validcnt int,  
@insAccountID integer,  
@insContractID integer,  
@insBuyID char(18),  
@errno int,  
@severity int,  
@state int,  
@errmsg varchar(255)
```

```
SELECT @numrows = @@rowcount
```

```
/* erwin Builtin Trigger */
```

```
/* Buy Inventory on parent update no action */
```

```
/* ERWIN_RELATION:CHECKSUM="0006944c", PARENT_OWNER="", PARENT_TABLE="Buy"
```

```
CHILD_OWNER="", CHILD_TABLE="Inventory"
```

```
P2C_VERB_PHRASE="", C2P_VERB_PHRASE="",
```

```
FK_CONSTRAINT="R_21", FK_COLUMNS="AccountID""ContractID""BuyID" */
```

```
IF
```

```
/* %ParentPK(" OR",UPDATE) */
```

```
UPDATE(AccountID) OR
```

```
UPDATE(ContractID) OR
```

```
UPDATE(BuyID)
```

```
BEGIN
```

```
IF EXISTS (
```


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```
SELECT * FROM deleted,Inventory
WHERE
    /* %JoinFKPK(Inventory,deleted," = "," AND") */
    Inventory.AccountID = deleted.AccountID AND
    Inventory.ContractID = deleted.ContractID AND
    Inventory.BuyID = deleted.BuyID
)
BEGIN
    SELECT @errno = 30005,
           @errmsg = 'Cannot update Buy because Inventory exists.'
    GOTO error
END
END

/* erwin Builtin Trigger */
/* Taxes Buy on child update no action */
/* ERWIN_RELATION:CHECKSUM="00000000", PARENT_OWNER="", PARENT_TABLE="Taxes"
   CHILD_OWNER="", CHILD_TABLE="Buy"
   P2C_VERB_PHRASE="", C2P_VERB_PHRASE="",
   FK_CONSTRAINT="R_16", FK_COLUMNS="TaxID" */
IF
    /* %ChildFK(" OR",UPDATE) */
    UPDATE(TaxID)
BEGIN
```

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```
SELECT @nullcnt = 0

SELECT @validcnt = count(*)

FROM inserted,Taxes

WHERE

/* %JoinFKPK(inserted,Taxes) */

inserted.TaxID = Taxes.TaxID

/* %NotnullFK(inserted," IS NULL","select @nullcnt = count(*) from inserted
where"," AND") */

select @nullcnt = count(*) from inserted where

inserted.TaxID IS NULL

IF @validcnt + @nullcnt != @numrows

BEGIN

SELECT @errno = 30007,

       @errmsg = 'Cannot update Buy because Taxes does not exist.'

GOTO error

END

END

/* erwin Builtin Trigger */

/* Brokrage Buy on child update no action */

/* ERWIN_RELATION:CHECKSUM="00000000", PARENT_OWNER="", PARENT_TABLE="Brokrage"

CHILD_OWNER="", CHILD_TABLE="Buy"

P2C_VERB_PHRASE="", C2P_VERB_PHRASE="",

FK_CONSTRAINT="R_13", FK_COLUMNS="BrokerID" */
```

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IF

```
/* %ChildFK(" OR",UPDATE) */
```

```
UPDATE(BrokerID)
```

BEGIN

```
SELECT @nullcnt = 0
```

```
SELECT @validcnt = count(*)
```

```
FROM inserted,Brokrage
```

```
WHERE
```

```
/* %JoinFKPK(inserted,Brokrage) */
```

```
inserted.BrokerID = Brokrage.BrokerID
```

```
/* %NotNullFK(inserted," IS NULL","select @nullcnt = count(*) from inserted  
where"," AND") */
```

```
select @nullcnt = count(*) from inserted where
```

```
inserted.BrokerID IS NULL
```

```
IF @validcnt + @nullcnt != @numrows
```

BEGIN

```
SELECT @errno = 30007,
```

```
@errmsg = 'Cannot update Buy because Brokrage does not exist.'
```

```
GOTO error
```

END

END

```
/* erwin Builtin Trigger */
```

```
/* Contracts Buy on child update no action */
```

```
/* ERWIN_RELATION:CHECKSUM="00000000", PARENT_OWNER="", PARENT_TABLE="Contracts"
```

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```
CHILD_OWNER="", CHILD_TABLE="Buy"

P2C_VERB_PHRASE="", C2P_VERB_PHRASE="",

FK_CONSTRAINT="R_7", FK_COLUMNS="ContractID" */

IF

/* %ChildFK(" OR",UPDATE) */

UPDATE(ContractID)

BEGIN

SELECT @nullcnt = 0

SELECT @validcnt = count(*)

FROM inserted,Contracts

WHERE

/* %JoinFKPK(inserted,Contracts) */

inserted.ContractID = Contracts.ContractID

/* %NotNullFK(inserted," IS NULL","select @nullcnt = count(*) from inserted
where"," AND") */

IF @validcnt + @nullcnt != @numrows

BEGIN

SELECT @errno = 30007,

@errmsg = 'Cannot update Buy because Contracts does not exist.'

GOTO error

END

END
```

```

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/* erwin Builtin Trigger */

/* UserAccount Buy on child update no action */

/* ERWIN_RELATION:CHECKSUM="00000000", PARENT_OWNER="",
PARENT_TABLE="UserAccount"

CHILD_OWNER="", CHILD_TABLE="Buy"

P2C_VERB_PHRASE="", C2P_VERB_PHRASE="",

FK_CONSTRAINT="R_6", FK_COLUMNS="AccountID" */

IF

/* %ChildFK(" OR",UPDATE) */

UPDATE(AccountID)

BEGIN

SELECT @nullcnt = 0

SELECT @validcnt = count(*)

FROM inserted,UserAccount

WHERE

/* %JoinFKPK(inserted,UserAccount) */

inserted.AccountID = UserAccount.AccountID

/* %NotNullFK(inserted," IS NULL","select @nullcnt = count(*) from inserted
where"," AND") */

IF @validcnt + @nullcnt != @numrows

BEGIN

SELECT @errno = 30007,

@errmsg = 'Cannot update Buy because UserAccount does not exist.'

GOTO error

```

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END

END

/* erwin Builtin Trigger */

RETURN

error:

RAISERROR (@errmsg, -- Message text.

 @severity, -- Severity (0~25).

 @state) -- State (0~255).

rollback transaction

END

go

CREATE TRIGGER tD_Contracts ON Contracts FOR DELETE AS

/* erwin Builtin Trigger */

/* DELETE trigger on Contracts */

BEGIN

DECLARE @errno int,

 @severity int,

```

                                CUIEEPrintFile2
                                @state    int,

                                @errmsg   varchar(255)

/* erwin Builtin Trigger */

/* Contracts  Inventory on parent delete no action */

/* ERWIN_RELATION:CHECKSUM="0003c469", PARENT_OWNER="",
PARENT_TABLE="Contracts"

CHILD_OWNER="", CHILD_TABLE="Inventory"

P2C_VERB_PHRASE="", C2P_VERB_PHRASE="",

FK_CONSTRAINT="R_20", FK_COLUMNS="ContractID" */

IF EXISTS (

    SELECT * FROM deleted,Inventory

    WHERE

        /* %JoinFKPK(Inventory,deleted," = "," AND") */

        Inventory.ContractID = deleted.ContractID

)

BEGIN

    SELECT @errno  = 30001,

           @errmsg = 'Cannot delete Contracts because Inventory exists.'

    GOTO error

END

/* erwin Builtin Trigger */

/* Contracts  IntraDay on parent delete no action */

/* ERWIN_RELATION:CHECKSUM="00000000", PARENT_OWNER="",
PARENT_TABLE="Contracts"

```

```

                                CUIEEPrintFile2
CHILD_OWNER="", CHILD_TABLE="IntraDay"

P2C_VERB_PHRASE="", C2P_VERB_PHRASE="",

FK_CONSTRAINT="R_12", FK_COLUMNS="ContractID" */

IF EXISTS (

    SELECT * FROM deleted,IntraDay

    WHERE

        /* %JoinFKPK(IntraDay,deleted," = "," AND") */

        IntraDay.ContractID = deleted.ContractID

)

BEGIN

    SELECT @errno  = 30001,

           @errmsg = 'Cannot delete Contracts because IntraDay exists.'

    GOTO error

END

/* erwin Builtin Trigger */

/* Contracts  Buy on parent delete no action */

/* ERWIN_RELATION:CHECKSUM="00000000", PARENT_OWNER="",
PARENT_TABLE="Contracts"

CHILD_OWNER="", CHILD_TABLE="Buy"

P2C_VERB_PHRASE="", C2P_VERB_PHRASE="",

FK_CONSTRAINT="R_7", FK_COLUMNS="ContractID" */

IF EXISTS (

    SELECT * FROM deleted,Buy

    WHERE

```


CUIEEPrintFile2

```
/* %JoinFKPK(Buy,deleted," = "," AND") */
Buy.ContractID = deleted.ContractID
)
BEGIN
    SELECT @errno = 30001,
           @errmsg = 'Cannot delete Contracts because Buy exists.'
    GOTO error
END

/* erwin Builtin Trigger */
/* Contracts Sell on parent delete no action */
/* ERWIN_RELATION:CHECKSUM="00000000", PARENT_OWNER="",
PARENT_TABLE="Contracts"
CHILD_OWNER="", CHILD_TABLE="Sell"
P2C_VERB_PHRASE="", C2P_VERB_PHRASE="",
FK_CONSTRAINT="R_4", FK_COLUMNS="ContractID" */
IF EXISTS (
    SELECT * FROM deleted,Sell
    WHERE
        /* %JoinFKPK(Sell,deleted," = "," AND") */
        Sell.ContractID = deleted.ContractID
)
BEGIN
    SELECT @errno = 30001,
```

```

                                CUIEEPrintFile2
                                @errmsg = 'Cannot delete Contracts because Sell exists.'

                                GOTO error

                                END

                                /* erwin Builtin Trigger */

                                RETURN

error:

                                RAISERROR (@errmsg, -- Message text.
                                                @severity, -- Severity (0~25).
                                                @state) -- State (0~255).

                                rollback transaction

                                END

                                go

CREATE TRIGGER tu_Contracts ON Contracts FOR UPDATE AS

/* erwin Builtin Trigger */

/* UPDATE trigger on Contracts */

BEGIN

    DECLARE @numrows int,
            @nullcnt int,
            @validcnt int,

```

```

                                CUIEEPrintFile2
    @insContractID integer,

    @errno    int,

    @severity int,

    @state    int,

    @errmsg   varchar(255)


SELECT @numrows = @@rowcount

/* erwin Builtin Trigger */

/* Contracts  Inventory on parent update no action */

/* ERWIN_RELATION:CHECKSUM="00042e23", PARENT_OWNER="", PARENT_TABLE="Contracts"
   CHILD_OWNER="", CHILD_TABLE="Inventory"
   P2C_VERB_PHRASE="", C2P_VERB_PHRASE="",
   FK_CONSTRAINT="R_20", FK_COLUMNS="ContractID" */

IF

    /* %ParentPK(" OR",UPDATE) */

    UPDATE(ContractID)

BEGIN

    IF EXISTS (

        SELECT * FROM deleted,Inventory

        WHERE

            /* %JoinFKPK(Inventory,deleted," = "," AND") */

            Inventory.ContractID = deleted.ContractID

    )

BEGIN

```

```

                                CUIEEPrintFile2
SELECT @errno  = 30005,

        @errmsg = 'Cannot update Contracts because Inventory exists.'

GOTO error

END

END

/* erwin Builtin Trigger */

/* Contracts  IntraDay on parent update no action */

/* ERWIN_RELATION:CHECKSUM="00000000", PARENT_OWNER="", PARENT_TABLE="Contracts"
   CHILD_OWNER="", CHILD_TABLE="IntraDay"
   P2C_VERB_PHRASE="", C2P_VERB_PHRASE="",
   FK_CONSTRAINT="R_12", FK_COLUMNS="ContractID" */

IF

    /* %ParentPK(" OR",UPDATE) */

    UPDATE(ContractID)

BEGIN

    IF EXISTS (

        SELECT * FROM deleted,IntraDay

        WHERE

            /* %JoinFKPK(IntraDay,deleted," = "," AND") */

            IntraDay.ContractID = deleted.ContractID

    )

BEGIN

    SELECT @errno  = 30005,

```

```

                                CUIEEPrintFile2
                                @errmsg = 'Cannot update Contracts because IntraDay exists.'

                                GOTO error

                                END

                                END

/* erwin Builtin Trigger */

/* Contracts Buy on parent update no action */

/* ERWIN_RELATION:CHECKSUM="00000000", PARENT_OWNER="", PARENT_TABLE="Contracts"
   CHILD_OWNER="", CHILD_TABLE="Buy"
   P2C_VERB_PHRASE="", C2P_VERB_PHRASE="",
   FK_CONSTRAINT="R_7", FK_COLUMNS="ContractID" */

IF

/* %ParentPK(" OR",UPDATE) */

UPDATE(ContractID)

BEGIN

IF EXISTS (

SELECT * FROM deleted,Buy

WHERE

/* %JoinFKPK(Buy,deleted," = "," AND") */

Buy.ContractID = deleted.ContractID

)

BEGIN

SELECT @errno = 30005,

       @errmsg = 'Cannot update Contracts because Buy exists.'
```

CUIEEPrintFile2

```
GOTO error

END

END

/* erwin Builtin Trigger */

/* Contracts Sell on parent update no action */

/* ERWIN_RELATION:CHECKSUM="00000000", PARENT_OWNER="", PARENT_TABLE="Contracts"

CHILD_OWNER="", CHILD_TABLE="Sell"

P2C_VERB_PHRASE="", C2P_VERB_PHRASE="",

FK_CONSTRAINT="R_4", FK_COLUMNS="ContractID" */

IF

/* %ParentPK(" OR",UPDATE) */

UPDATE(ContractID)

BEGIN

IF EXISTS (

SELECT * FROM deleted,Sell

WHERE

/* %JoinFKPK(Sell,deleted," = "," AND") */

Sell.ContractID = deleted.ContractID

)

BEGIN

SELECT @errno = 30005,

       @errmsg = 'Cannot update Contracts because Sell exists.'

GOTO error
```

CUIEEPrintFile2

END

END

/* erwin Builtin Trigger */

RETURN

error:

RAISERROR (@errmsg, -- Message text.

 @severity, -- Severity (0~25).

 @state) -- State (0~255).

rollback transaction

END

go

CREATE TRIGGER tD_IntraDay ON IntraDay FOR DELETE AS

/* erwin Builtin Trigger */

/* DELETE trigger on IntraDay */

BEGIN

DECLARE @errno int,

 @severity int,

```

                                CUIEEPrintFile2
        @state      int,

        @errmsg  varchar(255)

/* erwin Builtin Trigger */

/* Taxes  IntraDay on child delete no action */

/* ERWIN_RELATION:CHECKSUM="0004a74e", PARENT_OWNER="", PARENT_TABLE="Taxes"
CHILD_OWNER="", CHILD_TABLE="IntraDay"
P2C_VERB_PHRASE="", C2P_VERB_PHRASE="",
FK_CONSTRAINT="R_18", FK_COLUMNS="TaxID" */

IF EXISTS (SELECT * FROM deleted,Taxes

WHERE

        /* %JoinFKPK(deleted,Taxes," = "," AND") */

        deleted.TaxID = Taxes.TaxID AND

NOT EXISTS (

        SELECT * FROM IntraDay

        WHERE

                /* %JoinFKPK(IntraDay,Taxes," = "," AND") */

                IntraDay.TaxID = Taxes.TaxID

        )

)

BEGIN

        SELECT @errno  = 30010,

                @errmsg = 'Cannot delete last IntraDay because Taxes exists.'

        GOTO error

END

```


CUIEEPrintFile2

```
/* erwin Builtin Trigger */

/* Brokrage IntraDay on child delete no action */

/* ERWIN_RELATION:CHECKSUM="00000000", PARENT_OWNER="", PARENT_TABLE="Brokrage"
CHILD_OWNER="", CHILD_TABLE="IntraDay"
P2C_VERB_PHRASE="", C2P_VERB_PHRASE="",
FK_CONSTRAINT="R_15", FK_COLUMNS="BrokerID" */

IF EXISTS (SELECT * FROM deleted,Brokrage
WHERE
    /* %JoinFKPK(deleted,Brokrage," = "," AND") */
    deleted.BrokerID = Brokrage.BrokerID AND
    NOT EXISTS (
        SELECT * FROM IntraDay
        WHERE
            /* %JoinFKPK(IntraDay,Brokrage," = "," AND") */
            IntraDay.BrokerID = Brokrage.BrokerID
    )
)
BEGIN
    SELECT @errno = 30010,
           @errmsg = 'Cannot delete last IntraDay because Brokrage exists.'
    GOTO error
END
```

```

CUIEEPrintFile2

/* erwin Builtin Trigger */

/* Contracts IntraDay on child delete no action */

/* ERWIN_RELATION:CHECKSUM="00000000", PARENT_OWNER="",
PARENT_TABLE="Contracts"

CHILD_OWNER="", CHILD_TABLE="IntraDay"

P2C_VERB_PHRASE="", C2P_VERB_PHRASE="",

FK_CONSTRAINT="R_12", FK_COLUMNS="ContractID" */

IF EXISTS (SELECT * FROM deleted,Contracts

WHERE

/* %JoinFKPK(deleted,Contracts," = "," AND") */

deleted.ContractID = Contracts.ContractID AND

NOT EXISTS (

SELECT * FROM IntraDay

WHERE

/* %JoinFKPK(IntraDay,Contracts," = "," AND") */

IntraDay.ContractID = Contracts.ContractID

)

)

BEGIN

SELECT @errno = 30010,

       @errmsg = 'Cannot delete last IntraDay because Contracts exists.'

GOTO error

END

/* erwin Builtin Trigger */

```

CUIEEPrintFile2

```
/* UserAccount IntraDay on child delete no action */

/* ERWIN_RELATION:CHECKSUM="00000000", PARENT_OWNER="",
PARENT_TABLE="UserAccount"

CHILD_OWNER="", CHILD_TABLE="IntraDay"

P2C_VERB_PHRASE="", C2P_VERB_PHRASE="",

FK_CONSTRAINT="R_11", FK_COLUMNS="AccountID" */

IF EXISTS (SELECT * FROM deleted,UserAccount

WHERE

/* %JoinFKPK(deleted,UserAccount," = "," AND") */

deleted.AccountID = UserAccount.AccountID AND

NOT EXISTS (

SELECT * FROM IntraDay

WHERE

/* %JoinFKPK(IntraDay,UserAccount," = "," AND") */

IntraDay.AccountID = UserAccount.AccountID

)

)

BEGIN

SELECT @errno = 30010,

       @errmsg = 'Cannot delete last IntraDay because UserAccount exists.'

GOTO error

END
```

CUIEEPrintFile2

/* erwin Builtin Trigger */

RETURN

error:

RAISERROR (@errmsg, -- Message text.

 @severity, -- Severity (0~25).

 @state) -- State (0~255).

rollback transaction

END

go

CREATE TRIGGER tu_IntraDay ON IntraDay FOR UPDATE AS

/* erwin Builtin Trigger */

/* UPDATE trigger on IntraDay */

BEGIN

DECLARE @numrows int,

 @nullcnt int,

 @validcnt int,

 @insTransactionID integer,

 @insAccountID integer,

 @insContractID integer,

 @errno int,

 @severity int,

CUIEEPrintFile2

```
@state      int,  
@errmsg     varchar(255)
```

```
SELECT @numrows = @@rowcount
```

```
/* erwin Builtin Trigger */
```

```
/* Taxes IntraDay on child update no action */
```

```
/* ERWIN_RELATION:CHECKSUM="00056e93", PARENT_OWNER="", PARENT_TABLE="Taxes"
```

```
CHILD_OWNER="", CHILD_TABLE="IntraDay"
```

```
P2C_VERB_PHRASE="", C2P_VERB_PHRASE="",
```

```
FK_CONSTRAINT="R_18", FK_COLUMNS="TaxID" */
```

```
IF
```

```
/* %ChildFK(" OR",UPDATE) */
```

```
UPDATE(TaxID)
```

```
BEGIN
```

```
SELECT @nullcnt = 0
```

```
SELECT @validcnt = count(*)
```

```
FROM inserted,Taxes
```

```
WHERE
```

```
/* %JoinFKPK(inserted,Taxes) */
```

```
inserted.TaxID = Taxes.TaxID
```

```
/* %NotNullFK(inserted," IS NULL","select @nullcnt = count(*) from inserted  
where"," AND") */
```

```
select @nullcnt = count(*) from inserted where
```

```
inserted.TaxID IS NULL
```

```
IF @validcnt + @nullcnt != @numrows
```

CUIEEPrintFile2

```
BEGIN

    SELECT @errno  = 30007,

           @errmsg = 'Cannot update IntraDay because Taxes does not exist.'

    GOTO error

END

END

/* erwin Builtin Trigger */

/* Brokrage IntraDay on child update no action */

/* ERWIN_RELATION:CHECKSUM="00000000", PARENT_OWNER="", PARENT_TABLE="Brokrage"
   CHILD_OWNER="", CHILD_TABLE="IntraDay"
   P2C_VERB_PHRASE="", C2P_VERB_PHRASE="",
   FK_CONSTRAINT="R_15", FK_COLUMNS="BrokerID" */

IF

    /* %ChildFK(" OR",UPDATE) */

    UPDATE(BrokerID)

BEGIN

    SELECT @nullcnt = 0

    SELECT @validcnt = count(*)

        FROM inserted,Brokrage

        WHERE

            /* %JoinFKPK(inserted,Brokrage) */

            inserted.BrokerID = Brokrage.BrokerID

    /* %NotNullFK(inserted," IS NULL","select @nullcnt = count(*) from inserted
```

CUIEEPrintFile2

```
where"," AND") */
```

```
select @nullcnt = count(*) from inserted where
    inserted.BrokerID IS NULL
```

```
IF @validcnt + @nullcnt != @numrows
```

```
BEGIN
```

```
    SELECT @errno = 30007,
```

```
           @errmsg = 'Cannot update IntraDay because Brokrage does not exist.'
```

```
    GOTO error
```

```
END
```

```
END
```

```
/* erwin Builtin Trigger */
```

```
/* Contracts IntraDay on child update no action */
```

```
/* ERWIN_RELATION:CHECKSUM="00000000", PARENT_OWNER="", PARENT_TABLE="Contracts"
```

```
   CHILD_OWNER="", CHILD_TABLE="IntraDay"
```

```
   P2C_VERB_PHRASE="", C2P_VERB_PHRASE="",
```

```
   FK_CONSTRAINT="R_12", FK_COLUMNS="ContractID" */
```

```
IF
```

```
    /* %ChildFK(" OR",UPDATE) */
```

```
    UPDATE(ContractID)
```

```
BEGIN
```

```
    SELECT @nullcnt = 0
```

```
    SELECT @validcnt = count(*)
```

```
        FROM inserted,Contracts
```

CUIEEPrintFile2

WHERE

/* %JoinFKPK(inserted,Contracts) */

inserted.ContractID = Contracts.ContractID

/* %NotNullFK(inserted," IS NULL","select @nullcnt = count(*) from inserted
where"," AND") */

IF @validcnt + @nullcnt != @numrows

BEGIN

SELECT @errno = 30007,

@errmsg = 'Cannot update IntraDay because Contracts does not exist.'

GOTO error

END

END

/* erwin Builtin Trigger */

/* UserAccount IntraDay on child update no action */

/* ERWIN_RELATION:CHECKSUM="00000000", PARENT_OWNER="",
PARENT_TABLE="UserAccount"

CHILD_OWNER="", CHILD_TABLE="IntraDay"

P2C_VERB_PHRASE="", C2P_VERB_PHRASE="",

FK_CONSTRAINT="R_11", FK_COLUMNS="AccountID" */

IF

/* %ChildFK(" OR",UPDATE) */

UPDATE(AccountID)

BEGIN

CUIEEPrintFile2

```
SELECT @nullcnt = 0

SELECT @validcnt = count(*)

FROM inserted,UserAccount

WHERE

/* %JoinFKPK(inserted,UserAccount) */

inserted.AccountID = UserAccount.AccountID

/* %NotnullFK(inserted," IS NULL","select @nullcnt = count(*) from inserted
where"," AND") */

IF @validcnt + @nullcnt != @numrows

BEGIN

SELECT @errno = 30007,

      @errmsg = 'Cannot update IntraDay because UserAccount does not exist.'

GOTO error

END

END

/* erwin Builtin Trigger */

RETURN

error:

RAISERROR (@errmsg, -- Message text.

          @severity, -- Severity (0~25).

          @state) -- State (0~255).

rollback transaction
```

CUIEEPrintFile2

END

go

```
CREATE TRIGGER tD_Inventory ON Inventory FOR DELETE AS
/* erwin Builtin Trigger */
/* DELETE trigger on Inventory */
BEGIN
    DECLARE @errno    int,
            @severity int,
            @state     int,
            @errmsg    varchar(255)

    /* erwin Builtin Trigger */
    /* Sell Inventory on child delete no action */
    /* ERWIN_RELATION:CHECKSUM="000559b1", PARENT_OWNER="", PARENT_TABLE="Sell"
    CHILD_OWNER="", CHILD_TABLE="Inventory"
    P2C_VERB_PHRASE="", C2P_VERB_PHRASE="",
    FK_CONSTRAINT="R_22", FK_COLUMNS="AccountID" "ContractID" "SellID" */
    IF EXISTS (SELECT * FROM deleted,Sell
        WHERE
            /* %JoinFKPK(deleted,Sell," = "," AND") */
```

CUIEEPrintFile2

```
deleted.AccountID = Sell.AccountID AND
deleted.ContractID = Sell.ContractID AND
deleted.SellID = Sell.SellID AND
NOT EXISTS (
    SELECT * FROM Inventory
    WHERE
        /* %JoinFKPK(Inventory,Sell," = "," AND") */
        Inventory.AccountID = Sell.AccountID AND
        Inventory.ContractID = Sell.ContractID AND
        Inventory.SellID = Sell.SellID
)
)
BEGIN
    SELECT @errno = 30010,
           @errmsg = 'Cannot delete last Inventory because Sell exists.'
    GOTO error
END

/* erwin Builtin Trigger */
/* Buy Inventory on child delete no action */
/* ERWIN_RELATION:CHECKSUM="00000000", PARENT_OWNER="", PARENT_TABLE="Buy"
CHILD_OWNER="", CHILD_TABLE="Inventory"
P2C_VERB_PHRASE="", C2P_VERB_PHRASE="",
FK_CONSTRAINT="R_21", FK_COLUMNS="AccountID""ContractID""BuyID" */
```

CUIEEPrintFile2

```
IF EXISTS (SELECT * FROM deleted,Buy
WHERE
    /* %JoinFKPK(deleted,Buy," = "," AND") */
    deleted.AccountID = Buy.AccountID AND
    deleted.ContractID = Buy.ContractID AND
    deleted.BuyID = Buy.BuyID AND
NOT EXISTS (
    SELECT * FROM Inventory
    WHERE
        /* %JoinFKPK(Inventory,Buy," = "," AND") */
        Inventory.AccountID = Buy.AccountID AND
        Inventory.ContractID = Buy.ContractID AND
        Inventory.BuyID = Buy.BuyID
    )
)
BEGIN
    SELECT @errno = 30010,
           @errmsg = 'Cannot delete last Inventory because Buy exists.'
    GOTO error
END

/* erwin Builtin Trigger */
/* Contracts Inventory on child delete no action */
/* ERWIN_RELATION:CHECKSUM="00000000", PARENT_OWNER="",
```

```

PARENT_TABLE="Contracts"

CHILD_OWNER="", CHILD_TABLE="Inventory"

P2C_VERB_PHRASE="", C2P_VERB_PHRASE="",

FK_CONSTRAINT="R_20", FK_COLUMNS="ContractID" */

IF EXISTS (SELECT * FROM deleted,Contracts

WHERE

/* %JoinFKPK(deleted,Contracts," = "," AND") */

deleted.ContractID = Contracts.ContractID AND

NOT EXISTS (

SELECT * FROM Inventory

WHERE

/* %JoinFKPK(Inventory,Contracts," = "," AND") */

Inventory.ContractID = Contracts.ContractID

)

)

BEGIN

SELECT @errno = 30010,

       @errmsg = 'Cannot delete last Inventory because Contracts exists.'

GOTO error

END

/* erwin Builtin Trigger */

/* UserAccount Inventory on child delete no action */

/* ERWIN_RELATION:CHECKSUM="00000000", PARENT_OWNER="",
PARENT_TABLE="UserAccount"

```

CUIEEPrintFile2

```
CHILD_OWNER="", CHILD_TABLE="Inventory"

P2C_VERB_PHRASE="", C2P_VERB_PHRASE="",

FK_CONSTRAINT="R_19", FK_COLUMNS="AccountID" */

IF EXISTS (SELECT * FROM deleted,UserAccount

WHERE

/* %JoinFKPK(deleted,UserAccount," = "," AND") */

deleted.AccountID = UserAccount.AccountID AND

NOT EXISTS (

SELECT * FROM Inventory

WHERE

/* %JoinFKPK(Inventory,UserAccount," = "," AND") */

Inventory.AccountID = UserAccount.AccountID

)

)

BEGIN

SELECT @errno = 30010,

       @errmsg = 'Cannot delete last Inventory because UserAccount exists.'

GOTO error

END

/* erwin Builtin Trigger */

RETURN
```

error:

CUIEEPrintFile2

```
RAISERROR (@errmsg, -- Message text.  
           @severity, -- Severity (0~25).  
           @state) -- State (0~255).  
  
rollback transaction
```

```
END
```

```
go
```

```
CREATE TRIGGER tu_Inventory ON Inventory FOR UPDATE AS
```

```
/* erwin Builtin Trigger */
```

```
/* UPDATE trigger on Inventory */
```

```
BEGIN
```

```
DECLARE @numrows int,  
        @nullcnt int,  
        @validcnt int,  
        @insAccountID integer,  
        @insContractID integer,  
        @insInventoryItemID integer,  
        @errno int,  
        @severity int,  
        @state int,  
        @errmsg varchar(255)
```

CUIEEPrintFile2

```
SELECT @numrows = @@rowcount

/* erwin Builtin Trigger */

/* Sell Inventory on child update no action */

/* ERWIN_RELATION:CHECKSUM="0005f1be", PARENT_OWNER="", PARENT_TABLE="Sell"
   CHILD_OWNER="", CHILD_TABLE="Inventory"
   P2C_VERB_PHRASE="", C2P_VERB_PHRASE="",
   FK_CONSTRAINT="R_22", FK_COLUMNS="AccountID" "ContractID" "SellID" */

IF

/* %ChildFK(" OR",UPDATE) */

UPDATE(AccountID) OR

UPDATE(ContractID) OR

UPDATE(SellID)

BEGIN

SELECT @nullcnt = 0

SELECT @validcnt = count(*)

FROM inserted,Sell

WHERE

/* %JoinFKPK(inserted,Sell) */

inserted.AccountID = Sell.AccountID and

inserted.ContractID = Sell.ContractID and

inserted.SellID = Sell.SellID

/* %NotNullFK(inserted," IS NULL","select @nullcnt = count(*) from inserted
where"," AND") */

select @nullcnt = count(*) from inserted where
```



```

CUIEEPrintFile2
inserted.AccountID IS NULL AND

inserted.ContractID IS NULL AND

inserted.SellID IS NULL

IF @validcnt + @nullcnt != @numrows

BEGIN

    SELECT @errno = 30007,

           @errmsg = 'Cannot update Inventory because Sell does not exist.'

    GOTO error

END

END

/* erwin Builtin Trigger */

/* Buy Inventory on child update no action */

/* ERWIN_RELATION:CHECKSUM="00000000", PARENT_OWNER="", PARENT_TABLE="Buy"

CHILD_OWNER="", CHILD_TABLE="Inventory"

P2C_VERB_PHRASE="", C2P_VERB_PHRASE="",

FK_CONSTRAINT="R_21", FK_COLUMNS="AccountID""ContractID""BuyID" */

IF

/* %ChildFK(" OR",UPDATE) */

UPDATE(AccountID) OR

UPDATE(ContractID) OR

UPDATE(BuyID)

BEGIN

    SELECT @nullcnt = 0

```

```

CUIEEPrintFile2
SELECT @validcnt = count(*)
FROM inserted,Buy
WHERE
    /* %JoinFKPK(inserted,Buy) */
    inserted.AccountID = Buy.AccountID and
    inserted.ContractID = Buy.ContractID and
    inserted.BuyID = Buy.BuyID

/* %NotNullFK(inserted," IS NULL","select @nullcnt = count(*) from inserted
where"," AND") */
select @nullcnt = count(*) from inserted where
    inserted.AccountID IS NULL AND
    inserted.ContractID IS NULL AND
    inserted.BuyID IS NULL
IF @validcnt + @nullcnt != @numrows
BEGIN
    SELECT @errno  = 30007,
           @errmsg = 'Cannot update Inventory because Buy does not exist.'
    GOTO error
END
END

/* erwin Builtin Trigger */
/* Contracts  Inventory on child update no action */
/* ERWIN_RELATION:CHECKSUM="00000000", PARENT_OWNER="", PARENT_TABLE="Contracts"
CHILD_OWNER="", CHILD_TABLE="Inventory"

```

CUIEEPrintFile2

```
P2C_VERB_PHRASE="", C2P_VERB_PHRASE="",
FK_CONSTRAINT="R_20", FK_COLUMNS="ContractID" */
IF
/* %ChildFK(" OR",UPDATE) */
UPDATE(ContractID)
BEGIN
SELECT @nullcnt = 0
SELECT @validcnt = count(*)
FROM inserted,Contracts
WHERE
/* %JoinFKPK(inserted,Contracts) */
inserted.ContractID = Contracts.ContractID
/* %NotNullFK(inserted," IS NULL","select @nullcnt = count(*) from inserted
where"," AND") */

IF @validcnt + @nullcnt != @numrows
BEGIN
SELECT @errno = 30007,
@errmsg = 'Cannot update Inventory because Contracts does not exist.'
GOTO error
END
END

/* erwin Builtin Trigger */
```

```

                                CUIEEPrintFile2
/* UserAccount  Inventory on child update no action */

/* ERWIN_RELATION:CHECKSUM="00000000", PARENT_OWNER="",
PARENT_TABLE="UserAccount"

    CHILD_OWNER="", CHILD_TABLE="Inventory"

    P2C_VERB_PHRASE="", C2P_VERB_PHRASE="",

    FK_CONSTRAINT="R_19", FK_COLUMNS="AccountID" */

IF

/* %ChildFK(" OR",UPDATE) */

UPDATE(AccountID)

BEGIN

SELECT @nullcnt = 0

SELECT @validcnt = count(*)

FROM inserted,UserAccount

WHERE

/* %JoinFKPK(inserted,UserAccount) */

inserted.AccountID = UserAccount.AccountID

/* %NotNullFK(inserted," IS NULL","select @nullcnt = count(*) from inserted
where"," AND") */

IF @validcnt + @nullcnt != @numrows

BEGIN

SELECT @errno = 30007,

        @errmsg = 'Cannot update Inventory because UserAccount does not
exist.'

GOTO error

END

```

CUIEEPrintFile2

END

/* erwin Builtin Trigger */

RETURN

error:

RAISERROR (@errmsg, -- Message text.

 @severity, -- Severity (0~25).

 @state) -- State (0~255).

rollback transaction

END

go

CREATE TRIGGER tD_Sell ON Sell FOR DELETE AS

/* erwin Builtin Trigger */

/* DELETE trigger on Sell */

BEGIN

DECLARE @errno int,

 @severity int,

 @state int,

CUIEEPrintFile2

```
@errmsg varchar(255)

/* erwin Builtin Trigger */

/* Sell Inventory on parent delete no action */

/* ERWIN_RELATION:CHECKSUM="0005ad70", PARENT_OWNER="", PARENT_TABLE="Sell"
CHILD_OWNER="", CHILD_TABLE="Inventory"
P2C_VERB_PHRASE="", C2P_VERB_PHRASE="",
FK_CONSTRAINT="R_22", FK_COLUMNS="AccountID"ContractIDSellID" */

IF EXISTS (

    SELECT * FROM deleted,Inventory

    WHERE

        /* %JoinFKPK(Inventory,deleted," = "," AND") */

        Inventory.AccountID = deleted.AccountID AND

        Inventory.ContractID = deleted.ContractID AND

        Inventory.SellID = deleted.SellID

)

BEGIN

    SELECT @errno = 30001,

           @errmsg = 'Cannot delete Sell because Inventory exists.'

    GOTO error

END

/* erwin Builtin Trigger */

/* Taxes Sell on child delete no action */

/* ERWIN_RELATION:CHECKSUM="00000000", PARENT_OWNER="", PARENT_TABLE="Taxes"
```

CUIEEPrintFile2

```
CHILD_OWNER="", CHILD_TABLE="Sell"

P2C_VERB_PHRASE="", C2P_VERB_PHRASE="",
FK_CONSTRAINT="R_17", FK_COLUMNS="TaxID" */

IF EXISTS (SELECT * FROM deleted,Taxes
WHERE
/* %JoinFKPK(deleted,Taxes," = "," AND") */
deleted.TaxID = Taxes.TaxID AND
NOT EXISTS (
SELECT * FROM Sell
WHERE
/* %JoinFKPK(Sell,Taxes," = "," AND") */
Sell.TaxID = Taxes.TaxID
)
)
BEGIN
SELECT @errno = 30010,
       @errmsg = 'Cannot delete last Sell because Taxes exists.'
GOTO error
END

/* erwin Builtin Trigger */
/* Brokrage Sell on child delete no action */
/* ERWIN_RELATION:CHECKSUM="00000000", PARENT_OWNER="", PARENT_TABLE="Brokrage"
CHILD_OWNER="", CHILD_TABLE="Sell"
```

CUIEEPrintFile2

```
P2C_VERB_PHRASE="", C2P_VERB_PHRASE="",
FK_CONSTRAINT="R_14", FK_COLUMNS="BrokerID" */
IF EXISTS (SELECT * FROM deleted,Brokrage
WHERE
/* %JoinFKPK(deleted,Brokrage," = "," AND") */
deleted.BrokerID = Brokrage.BrokerID AND
NOT EXISTS (
SELECT * FROM Sell
WHERE
/* %JoinFKPK(Sell,Brokrage," = "," AND") */
Sell.BrokerID = Brokrage.BrokerID
)
)
BEGIN
SELECT @errno = 30010,
@errmsg = 'Cannot delete last Sell because Brokrage exists.'
GOTO error
END

/* erwin Builtin Trigger */
/* Contracts Sell on child delete no action */
/* ERWIN_RELATION:CHECKSUM="00000000", PARENT_OWNER="",
PARENT_TABLE="Contracts"
CHILD_OWNER="", CHILD_TABLE="Sell"
```



```

                                CUIEEPrintFile2
P2C_VERB_PHRASE="", C2P_VERB_PHRASE="",
FK_CONSTRAINT="R_4", FK_COLUMNS="ContractID" */
IF EXISTS (SELECT * FROM deleted,Contracts
WHERE
/* %JoinFKPK(deleted,Contracts," = "," AND") */
deleted.ContractID = Contracts.ContractID AND
NOT EXISTS (
SELECT * FROM Sell
WHERE
/* %JoinFKPK(Sell,Contracts," = "," AND") */
Sell.ContractID = Contracts.ContractID
)
)
BEGIN
SELECT @errno = 30010,
       @errmsg = 'Cannot delete last Sell because Contracts exists.'
GOTO error
END

/* erwin Builtin Trigger */
/* UserAccount Sell on child delete no action */
/* ERWIN_RELATION:CHECKSUM="00000000", PARENT_OWNER="",
PARENT_TABLE="UserAccount"
CHILD_OWNER="", CHILD_TABLE="Sell"
P2C_VERB_PHRASE="", C2P_VERB_PHRASE="",

```

CUIEEPrintFile2

```
FK_CONSTRAINT="R_3", FK_COLUMNS="AccountID" */
```

```
IF EXISTS (SELECT * FROM deleted,UserAccount
```

```
WHERE
```

```
/* %JoinFKPK(deleted,UserAccount," = "," AND") */
```

```
deleted.AccountID = UserAccount.AccountID AND
```

```
NOT EXISTS (
```

```
SELECT * FROM Sell
```

```
WHERE
```

```
/* %JoinFKPK(Sell,UserAccount," = "," AND") */
```

```
Sell.AccountID = UserAccount.AccountID
```

```
)
```

```
)
```

```
BEGIN
```

```
SELECT @errno = 30010,
```

```
@errmsg = 'Cannot delete last Sell because UserAccount exists.'
```

```
GOTO error
```

```
END
```

```
/* erwin Builtin Trigger */
```

```
RETURN
```

```
error:
```

```
RAISERROR (@errmsg, -- Message text.
```

```
@severity, -- Severity (0~25).
```

CUIEEPrintFile2

```
@state) -- State (0~255).
```

```
rollback transaction
```

```
END
```

```
go
```

```
CREATE TRIGGER tU_Sell ON Sell FOR UPDATE AS
```

```
/* erwin Builtin Trigger */
```

```
/* UPDATE trigger on Sell */
```

```
BEGIN
```

```
DECLARE @numrows int,  
        @nullcnt int,  
        @validcnt int,  
        @insAccountID integer,  
        @insContractID integer,  
        @insSellID integer,  
        @errno int,  
        @severity int,  
        @state int,  
        @errmsg varchar(255)
```

```
SELECT @numrows = @@rowcount
```

```
/* erwin Builtin Trigger */
```

CUIEEPrintFile2

```
/* Sell Inventory on parent update no action */
/* ERWIN_RELATION:CHECKSUM="00068719", PARENT_OWNER="", PARENT_TABLE="Sell"
   CHILD_OWNER="", CHILD_TABLE="Inventory"
   P2C_VERB_PHRASE="", C2P_VERB_PHRASE="",
   FK_CONSTRAINT="R_22", FK_COLUMNS="AccountID""ContractID""SellID" */
IF
/* %ParentPK(" OR",UPDATE) */
UPDATE(AccountID) OR
UPDATE(ContractID) OR
UPDATE(SellID)
BEGIN
IF EXISTS (
SELECT * FROM deleted,Inventory
WHERE
/* %JoinFKPK(Inventory,deleted," = "," AND") */
Inventory.AccountID = deleted.AccountID AND
Inventory.ContractID = deleted.ContractID AND
Inventory.SellID = deleted.SellID
)
BEGIN
SELECT @errno = 30005,
       @errmsg = 'Cannot update Sell because Inventory exists.'
GOTO error
END
```

CUIEEPrintFile2

END

/* erwin Builtin Trigger */

/* Taxes Sell on child update no action */

/* ERWIN_RELATION:CHECKSUM="00000000", PARENT_OWNER="", PARENT_TABLE="Taxes"

CHILD_OWNER="", CHILD_TABLE="Sell"

P2C_VERB_PHRASE="", C2P_VERB_PHRASE="",

FK_CONSTRAINT="R_17", FK_COLUMNS="TaxID" */

IF

/* %ChildFK(" OR",UPDATE) */

UPDATE(TaxID)

BEGIN

SELECT @nullcnt = 0

SELECT @validcnt = count(*)

FROM inserted,Taxes

WHERE

/* %JoinFKPK(inserted,Taxes) */

inserted.TaxID = Taxes.TaxID

/* %NotNullFK(inserted," IS NULL","select @nullcnt = count(*) from inserted
where"," AND") */

select @nullcnt = count(*) from inserted where

inserted.TaxID IS NULL

IF @validcnt + @nullcnt != @numrows

BEGIN

```

                                CUIEEPrintFile2
SELECT @errno  = 30007,
        @errmsg = 'Cannot update Sell because Taxes does not exist.'

GOTO error

END

END

/* erwin Builtin Trigger */
/* Brokrage  Sell on child update no action */
/* ERWIN_RELATION:CHECKSUM="00000000", PARENT_OWNER="", PARENT_TABLE="Brokrage"
   CHILD_OWNER="", CHILD_TABLE="Sell"
   P2C_VERB_PHRASE="", C2P_VERB_PHRASE="",
   FK_CONSTRAINT="R_14", FK_COLUMNS="BrokerID" */
IF
    /* %ChildFK(" OR",UPDATE) */
    UPDATE(BrokerID)
BEGIN
    SELECT @nullcnt = 0
    SELECT @validcnt = count(*)
        FROM inserted,Brokrage
        WHERE
            /* %JoinFKPK(inserted,Brokrage) */
            inserted.BrokerID = Brokrage.BrokerID

    /* %NotNullFK(inserted," IS NULL","select @nullcnt = count(*) from inserted
where"," AND") */
    select @nullcnt = count(*) from inserted where

```

CUIEEPrintFile2

```
inserted.BrokerID IS NULL

IF @validcnt + @nullcnt != @numrows

BEGIN

    SELECT @errno  = 30007,

           @errmsg = 'Cannot update Sell because Brokrage does not exist.'

    GOTO error

END

END

/* erwin Builtin Trigger */

/* Contracts  Sell on child update no action */

/* ERWIN_RELATION:CHECKSUM="00000000", PARENT_OWNER="", PARENT_TABLE="Contracts"

   CHILD_OWNER="", CHILD_TABLE="Sell"

   P2C_VERB_PHRASE="", C2P_VERB_PHRASE="",

   FK_CONSTRAINT="R_4", FK_COLUMNS="ContractID" */

IF

    /* %ChildFK(" OR",UPDATE) */

    UPDATE(ContractID)

BEGIN

    SELECT @nullcnt = 0

    SELECT @validcnt = count(*)

        FROM inserted,Contracts

        WHERE

            /* %JoinFKPK(inserted,Contracts) */
```

CUIEEPrintFile2

inserted.ContractID = Contracts.ContractID

```
/* %NotNullFK(inserted," IS NULL","select @nullcnt = count(*) from inserted
where"," AND") */
```

```
IF @validcnt + @nullcnt != @numrows
```

```
BEGIN
```

```
    SELECT @errno = 30007,
```

```
           @errmsg = 'Cannot update Sell because Contracts does not exist.'
```

```
    GOTO error
```

```
END
```

```
END
```

```
/* erwin Builtin Trigger */
```

```
/* UserAccount Sell on child update no action */
```

```
/* ERWIN_RELATION:CHECKSUM="00000000", PARENT_OWNER="",
PARENT_TABLE="UserAccount"
```

```
   CHILD_OWNER="", CHILD_TABLE="Sell"
```

```
   P2C_VERB_PHRASE="", C2P_VERB_PHRASE="",
```

```
   FK_CONSTRAINT="R_3", FK_COLUMNS="AccountID" */
```

```
IF
```

```
/* %ChildFK(" OR",UPDATE) */
```

```
UPDATE(AccountID)
```

```
BEGIN
```

```
    SELECT @nullcnt = 0
```

```
    SELECT @validcnt = count(*)
```


CUIEEPrintFile2

```
FROM inserted,UserAccount

WHERE

    /* %JoinFKPK(inserted,UserAccount) */

    inserted.AccountID = UserAccount.AccountID

    /* %NotNullFK(inserted," IS NULL","select @nullcnt = count(*) from inserted
where"," AND") */

IF @validcnt + @nullcnt != @numrows

BEGIN

    SELECT @errno  = 30007,

           @errmsg = 'Cannot update Sell because UserAccount does not exist.'

    GOTO error

END

END

/* erwin Builtin Trigger */

RETURN

error:

    RAISERROR (@errmsg, -- Message text.

               @severity, -- Severity (0~25).

               @state) -- State (0~255).

    rollback transaction

END
```

CUIEEPrintFile2

go

```
CREATE TRIGGER td_Taxes ON Taxes FOR DELETE AS

/* erwin Builtin Trigger */

/* DELETE trigger on Taxes */

BEGIN

    DECLARE @errno    int,

            @severity int,

            @state     int,

            @errmsg    varchar(255)

    /* erwin Builtin Trigger */

    /* Taxes IntraDay on parent delete no action */

    /* ERWIN_RELATION:CHECKSUM="0002add2", PARENT_OWNER="", PARENT_TABLE="Taxes"

    CHILD_OWNER="", CHILD_TABLE="IntraDay"

    P2C_VERB_PHRASE="", C2P_VERB_PHRASE="",

    FK_CONSTRAINT="R_18", FK_COLUMNS="TaxID" */

    IF EXISTS (

        SELECT * FROM deleted,IntraDay

        WHERE

            /* %JoinFKPK(IntraDay,deleted," = "," AND") */
```

```

                                CUIEEPrintFile2
        IntraDay.TaxID = deleted.TaxID
    )
BEGIN
    SELECT @errno  = 30001,
           @errmsg = 'Cannot delete Taxes because IntraDay exists.'

    GOTO error
END

/* erwin Builtin Trigger */
/* Taxes  Sell on parent delete no action */
/* ERWIN_RELATION:CHECKSUM="00000000", PARENT_OWNER="", PARENT_TABLE="Taxes"
CHILD_OWNER="", CHILD_TABLE="Sell"
P2C_VERB_PHRASE="", C2P_VERB_PHRASE="",
FK_CONSTRAINT="R_17", FK_COLUMNS="TaxID" */
IF EXISTS (
    SELECT * FROM deleted,Sell
    WHERE
        /* %JoinFKPK(Sell,deleted," = "," AND") */
        Sell.TaxID = deleted.TaxID
)
BEGIN
    SELECT @errno  = 30001,
           @errmsg = 'Cannot delete Taxes because Sell exists.'

    GOTO error

```

CUIEEPrintFile2

END

/* erwin Builtin Trigger */

/* Taxes Buy on parent delete no action */

/* ERWIN_RELATION:CHECKSUM="00000000", PARENT_OWNER="", PARENT_TABLE="Taxes"

CHILD_OWNER="", CHILD_TABLE="Buy"

P2C_VERB_PHRASE="", C2P_VERB_PHRASE="",

FK_CONSTRAINT="R_16", FK_COLUMNS="TaxID" */

IF EXISTS (

SELECT * FROM deleted,Buy

WHERE

/* %JoinFKPK(Buy,deleted," = "," AND") */

Buy.TaxID = deleted.TaxID

)

BEGIN

SELECT @errno = 30001,

@errmsg = 'Cannot delete Taxes because Buy exists.'

GOTO error

END

/* erwin Builtin Trigger */

RETURN

error:

```

                                CUIEEPrintFile2
RAISERROR (@errmsg, -- Message text.

           @severity, -- Severity (0~25).

           @state) -- State (0~255).

rollback transaction

END

go

```

```

CREATE TRIGGER tU_Taxes ON Taxes FOR UPDATE AS

/* erwin Builtin Trigger */

/* UPDATE trigger on Taxes */

BEGIN

    DECLARE @numrows int,

            @nullcnt int,

            @validcnt int,

            @insTaxID integer,

            @errno    int,

            @severity int,

            @state     int,

            @errmsg    varchar(255)

    SELECT @numrows = @@rowcount

/* erwin Builtin Trigger */

```

```

CUIEEPrintFile2
/* Taxes IntraDay on parent update no action */

/* ERWIN_RELATION:CHECKSUM="0002e7fa", PARENT_OWNER="", PARENT_TABLE="Taxes"
   CHILD_OWNER="", CHILD_TABLE="IntraDay"
   P2C_VERB_PHRASE="", C2P_VERB_PHRASE="",
   FK_CONSTRAINT="R_18", FK_COLUMNS="TaxID" */

IF
  /* %ParentPK(" OR",UPDATE) */
  UPDATE(TaxID)
BEGIN
  IF EXISTS (
    SELECT * FROM deleted,IntraDay
    WHERE
      /* %JoinFKPK(IntraDay,deleted," = "," AND") */
      IntraDay.TaxID = deleted.TaxID
  )
  BEGIN
    SELECT @errno = 30005,
           @errmsg = 'Cannot update Taxes because IntraDay exists.'
    GOTO error
  END
END

/* erwin Builtin Trigger */
/* Taxes Sell on parent update no action */

```

```

CUIEEPrintFile2
/* ERWIN_RELATION:CHECKSUM="00000000", PARENT_OWNER="", PARENT_TABLE="Taxes"

CHILD_OWNER="", CHILD_TABLE="Sell"

P2C_VERB_PHRASE="", C2P_VERB_PHRASE="",

FK_CONSTRAINT="R_17", FK_COLUMNS="TaxID" */

IF

/* %ParentPK(" OR",UPDATE) */

UPDATE(TaxID)

BEGIN

IF EXISTS (

SELECT * FROM deleted,Sell

WHERE

/* %JoinFKPK(Sell,deleted," = "," AND") */

Sell.TaxID = deleted.TaxID

)

BEGIN

SELECT @errno = 30005,

@errmsg = 'Cannot update Taxes because Sell exists.'

GOTO error

END

END

/* erwin Builtin Trigger */

/* Taxes Buy on parent update no action */

/* ERWIN_RELATION:CHECKSUM="00000000", PARENT_OWNER="", PARENT_TABLE="Taxes"

```

```

                                CUIEEPrintFile2
CHILD_OWNER="", CHILD_TABLE="Buy"

P2C_VERB_PHRASE="", C2P_VERB_PHRASE="",

FK_CONSTRAINT="R_16", FK_COLUMNS="TaxID" */

IF

/* %ParentPK(" OR",UPDATE) */

UPDATE(TaxID)

BEGIN

IF EXISTS (

    SELECT * FROM deleted,Buy

    WHERE

        /* %JoinFKPK(Buy,deleted," = "," AND") */

        Buy.TaxID = deleted.TaxID

)

BEGIN

    SELECT @errno  = 30005,

           @errmsg = 'Cannot update Taxes because Buy exists.'

    GOTO error

END

END

/* erwin Builtin Trigger */

RETURN

error:

```



```

                                CUIEEPrintFile2
RAISERROR (@errmsg, -- Message text.
           @severity, -- Severity (0~25).
           @state) -- State (0~255).

rollback transaction

END

go

CREATE TRIGGER tD_UserAccount ON UserAccount FOR DELETE AS

/* erwin Builtin Trigger */

/* DELETE trigger on UserAccount */

BEGIN

    DECLARE @errno    int,
            @severity int,
            @state     int,
            @errmsg    varchar(255)

    /* erwin Builtin Trigger */

    /* UserAccount  Inventory on parent delete no action */

    /* ERWIN_RELATION:CHECKSUM="0003b117", PARENT_OWNER="",
PARENT_TABLE="UserAccount"

    CHILD_OWNER="", CHILD_TABLE="Inventory"

    P2C_VERB_PHRASE="", C2P_VERB_PHRASE="",

```

CUIEEPrintFile2

```
FK_CONSTRAINT="R_19", FK_COLUMNS="AccountID" */
```

```
IF EXISTS (
```

```
    SELECT * FROM deleted,Inventory
```

```
    WHERE
```

```
        /* %JoinFKPK(Inventory,deleted," = "," AND") */
```

```
        Inventory.AccountID = deleted.AccountID
```

```
)
```

```
BEGIN
```

```
    SELECT @errno = 30001,
```

```
           @errmsg = 'Cannot delete UserAccount because Inventory exists.'
```

```
    GOTO error
```

```
END
```

```
/* erwin Builtin Trigger */
```

```
/* UserAccount IntraDay on parent delete no action */
```

```
/* ERWIN_RELATION:CHECKSUM="00000000", PARENT_OWNER="",  
PARENT_TABLE="UserAccount"
```

```
CHILD_OWNER="", CHILD_TABLE="IntraDay"
```

```
P2C_VERB_PHRASE="", C2P_VERB_PHRASE="",
```

```
FK_CONSTRAINT="R_11", FK_COLUMNS="AccountID" */
```

```
IF EXISTS (
```

```
    SELECT * FROM deleted,IntraDay
```

```
    WHERE
```

```
        /* %JoinFKPK(IntraDay,deleted," = "," AND") */
```

```

                                CUIEEPrintFile2
        IntraDay.AccountID = deleted.AccountID

    )

BEGIN

    SELECT @errno  = 30001,

           @errmsg = 'Cannot delete UserAccount because IntraDay exists.'

    GOTO error

END

/* erwin Builtin Trigger */

/* UserAccount  Buy on parent delete no action */

/* ERWIN_RELATION:CHECKSUM="00000000", PARENT_OWNER="",
PARENT_TABLE="UserAccount"

CHILD_OWNER="", CHILD_TABLE="Buy"

P2C_VERB_PHRASE="", C2P_VERB_PHRASE="",

FK_CONSTRAINT="R_6", FK_COLUMNS="AccountID" */

IF EXISTS (

    SELECT * FROM deleted,Buy

    WHERE

        /* %JoinFKPK(Buy,deleted," = "," AND") */

        Buy.AccountID = deleted.AccountID

)

BEGIN

    SELECT @errno  = 30001,

           @errmsg = 'Cannot delete UserAccount because Buy exists.'

    GOTO error

```

CUIEEPrintFile2

END

/* erwin Builtin Trigger */

/* UserAccount Sell on parent delete no action */

/* ERWIN_RELATION:CHECKSUM="00000000", PARENT_OWNER="",
PARENT_TABLE="UserAccount"

CHILD_OWNER="", CHILD_TABLE="Sell"

P2C_VERB_PHRASE="", C2P_VERB_PHRASE="",

FK_CONSTRAINT="R_3", FK_COLUMNS="AccountID" */

IF EXISTS (

SELECT * FROM deleted,Sell

WHERE

/* %JoinFKPK(Sell,deleted," = "," AND") */

Sell.AccountID = deleted.AccountID

)

BEGIN

SELECT @errno = 30001,

@errmsg = 'Cannot delete UserAccount because Sell exists.'

GOTO error

END

/* erwin Builtin Trigger */

RETURN

CUIEEPrintFile2

error:

```
RAISERROR (@errmsg, -- Message text.  
           @severity, -- Severity (0~25).  
           @state) -- State (0~255).  
  
rollback transaction
```

END

go

```
CREATE TRIGGER tU_UserAccount ON UserAccount FOR UPDATE AS
```

```
/* erwin Builtin Trigger */
```

```
/* UPDATE trigger on UserAccount */
```

```
BEGIN
```

```
DECLARE @numrows int,  
        @nullcnt int,  
        @validcnt int,  
        @insAccountID integer,  
        @errno int,  
        @severity int,  
        @state int,  
        @errmsg varchar(255)
```

```
SELECT @numrows = @@rowcount
```

```

CUIEEPrintFile2

/* erwin Builtin Trigger */

/* UserAccount  Inventory on parent update no action */

/* ERWIN_RELATION:CHECKSUM="0004303e", PARENT_OWNER="",
PARENT_TABLE="UserAccount"

    CHILD_OWNER="", CHILD_TABLE="Inventory"

    P2C_VERB_PHRASE="", C2P_VERB_PHRASE="",

    FK_CONSTRAINT="R_19", FK_COLUMNS="AccountID" */

IF

/* %ParentPK(" OR",UPDATE) */

UPDATE(AccountID)

BEGIN

    IF EXISTS (

        SELECT * FROM deleted,Inventory

        WHERE

            /* %JoinFKPK(Inventory,deleted," = "," AND") */

            Inventory.AccountID = deleted.AccountID

    )

    BEGIN

        SELECT @errno  = 30005,

               @errmsg = 'Cannot update UserAccount because Inventory exists.'

        GOTO error

    END

END

/* erwin Builtin Trigger */

```

CUIEEPrintFile2

```
/* UserAccount IntraDay on parent update no action */

/* ERWIN_RELATION:CHECKSUM="00000000", PARENT_OWNER="",
PARENT_TABLE="UserAccount"

CHILD_OWNER="", CHILD_TABLE="IntraDay"

P2C_VERB_PHRASE="", C2P_VERB_PHRASE="",

FK_CONSTRAINT="R_11", FK_COLUMNS="AccountID" */

IF

/* %ParentPK(" OR",UPDATE) */

UPDATE(AccountID)

BEGIN

IF EXISTS (

SELECT * FROM deleted,IntraDay

WHERE

/* %JoinFKPK(IntraDay,deleted," = "," AND") */

IntraDay.AccountID = deleted.AccountID

)

BEGIN

SELECT @errno = 30005,

       @errmsg = 'Cannot update UserAccount because IntraDay exists.'

GOTO error

END

END

/* erwin Builtin Trigger */
```

```

                                CUIEEPrintFile2
/* UserAccount  Buy on parent update no action */

/* ERWIN_RELATION:CHECKSUM="00000000", PARENT_OWNER="",
PARENT_TABLE="UserAccount"

    CHILD_OWNER="", CHILD_TABLE="Buy"

    P2C_VERB_PHRASE="", C2P_VERB_PHRASE="",

    FK_CONSTRAINT="R_6", FK_COLUMNS="AccountID" */

IF

/* %ParentPK(" OR",UPDATE) */

UPDATE(AccountID)

BEGIN

    IF EXISTS (

        SELECT * FROM deleted,Buy

        WHERE

            /* %JoinFKPK(Buy,deleted," = "," AND") */

            Buy.AccountID = deleted.AccountID

    )

    BEGIN

        SELECT @errno  = 30005,

               @errmsg = 'Cannot update UserAccount because Buy exists.'

        GOTO error

    END

END

/* erwin Builtin Trigger */

/* UserAccount  Sell on parent update no action */

```


CUIEEPrintFile2

```
/* ERWIN_RELATION:CHECKSUM="00000000", PARENT_OWNER="",
PARENT_TABLE="UserAccount"

CHILD_OWNER="", CHILD_TABLE="Sell"

P2C_VERB_PHRASE="", C2P_VERB_PHRASE="",

FK_CONSTRAINT="R_3", FK_COLUMNS="AccountID" */

IF

/* %ParentPK(" OR",UPDATE) */

UPDATE(AccountID)

BEGIN

IF EXISTS (

SELECT * FROM deleted,Sell

WHERE

/* %JoinFKPK(Sell,deleted," = "," AND") */

Sell.AccountID = deleted.AccountID

)

BEGIN

SELECT @errno = 30005,

       @errmsg = 'Cannot update UserAccount because Sell exists.'

GOTO error

END

END

/* erwin Builtin Trigger */
```

CUIEEPrintFile2

RETURN

error:

RAISERROR (@errmsg, -- Message text.

@severity, -- Severity (0~25).

@state) -- State (0~255).

rollback transaction

END

go