***Create table Queries:***

***Pindex Table:***

CREATE TABLE PIndex(

ID int IDENTITY(1,1) NOT NULL,

Date date NOT NULL,

price decimal NOT NULL,

CONSTRAINT [PK\_Table\_Name] PRIMARY KEY CLUSTERED

(

ID ASC

)

)

==================================================================

***Hens\_Table***

CREATE TABLE Hens\_Table(

Hen\_ID int IDENTITY(1,1) NOT NULL,

Hierarchy\_level Int not null,

Egg\_num int default Null

CONSTRAINT [PK\_Hens\_Table] PRIMARY KEY CLUSTERED

(

Hen\_ID ASC

)

)

=================================================================================

***Hierarchy\_Tables***

CREATE TABLE Hierarchy\_Table(

ID int IDENTITY(1,1) NOT NULL,

Hierarchy\_level Int not null,

CONSTRAINT [PK\_ Hierarchy\_Table] PRIMARY KEY CLUSTERED

(

ID ASC

)

)

***Stored Procedures***

***Price index create:***

CREATE PROCEDURE Price\_index\_create

AS

BEGIN

Declare @counter int,

@Price decimal(3,1)

SELECT @counter= count(\*) FROM PIndex

while @counter>0

BEGIN

SET @Price=1.0 + RAND() \* 1.9

update PIndex

SET Date=CAST( GETDATE()+(@counter-1) AS Date), price= @Price

where ID=@counter;

SET @counter=@counter-1

END

END

==================================================================

***Get Price Details:***

CREATE PROCEDURE Get\_Price\_index

AS

BEGIN

SELECT \* FROM PIndex

END

==================================================================

***Edit Price index***

CREATE PROCEDURE Edit\_price\_index

@price decimal(3,1),

@ID int

AS

BEGIN

UPDATE PIndex

SET price = @price

where id=@ID;

END

=================================================================

***Get Hen Details:***

CREATE PROCEDURE Get\_Hens\_Detail

@Date date=''

AS

BEGIN

DECLARE @baseprice decimal(3,1)

if @Date=''

BEGIN

SET @baseprice=(select price from PIndex where Date=CAST( GETDATE() AS Date));

Select @baseprice

END

ELSE

BEGIN

SET @baseprice=(select price from PIndex where Date=CAST( @Date AS Date));

Select @baseprice

END

SELECT \* FROM Hierarchy\_level ORDER BY Hierarchy\_level DESC

select \* from Hens\_Table ;

END

==================================================================

***Add Hen in new Hierarchy:***

CREATE PROCEDURE Edit\_Hens\_table\_with\_New\_Hierarchy

@Hierarchy\_level int,

@Hen\_count int

AS

BEGIN

INSERT INTO Hierarchy\_Level(Hierarchy\_level)

VALUES (@Hierarchy\_level);

while @Hen\_count>0

BEGIN

INSERT INTO Hens\_Table(Hierarchy\_level,Modified\_Date,Egg\_num)

VALUES (@Hierarchy\_level,CAST( GETDATE() AS Date),0);

SET @Hen\_count=@Hen\_count-1;

END

END

==================================================================

***Add Hen in Existing Hierarchy:***

ALTER PROCEDURE Add\_Hens

@Hierarchy\_level int,

@Hen\_count int

AS

BEGIN

while @Hen\_count>0

BEGIN

INSERT INTO Hens\_Table(Hierarchy\_level,Modified\_Date,Egg\_num)

VALUES (@Hierarchy\_level,CAST( GETDATE() AS Date),0);

SET @Hen\_count=@Hen\_count-1;

END

END

==================================================================

***Edit Hens:***

ALTER PROCEDURE Edit\_hens

@Hierarchy\_level int,

@Egg\_num int='',

@Hen\_ID int

AS

BEGIN

If @Egg\_num=''

BEGIN

UPDATE Hens\_Table

SET Hierarchy\_level=@Hierarchy\_level

where Hen\_ID=@Hen\_ID

END

ELSE

BEGIN

UPDATE Hens\_Table

SET Egg\_num= @Egg\_num,Hierarchy\_level=@Hierarchy\_level

where Hen\_ID=@Hen\_ID AND Modified\_Date!=CAST( GETDATE() AS Date)

END

END

==================================================================