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--Ôn cuối kì
CREATE TABLE MCUSTOMERS
(
CUSTOMERID NCHAR(5) NOT NULL PRIMARY KEY,
CUSTPRIORITY INT,

);

CREATE TABLE MORDERS
(
ORDERID INT NOT NULL PRIMARY KEY,
ORDERDATE DATE,
CUSTOMERID NCHAR(5) NOT NULL,
FOREIGN KEY (CUSTOMERID) REFERENCES MCUSTOMERS(CUSTOMERID)
);

CREATE TABLE MSALESORDERS
(
SALESORDERID INT NOT NULL PRIMARY KEY,
ORDERDATE DATE,
CUSTOMERID NCHAR(5)
FOREIGN KEY (CUSTOMERID) REFERENCES MCUSTOMERS(CUSTOMERID)
)
DROP TABLE MCUSTOMERS
--TẠO TRIGGER
DROP TRIGGER IF EXISTS trigger_01
GO
CREATE TRIGGER DE03
ON MORDERS
AFTER INSERT, UPDATE
AS BEGIN
    DECLARE @CUS NCHAR(5)
    DECLARE @OID INT
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    DECLARE @ODATE DATE
    SELECT @CUS = (select CUSTOMERID from inserted)
    SELECT @ODATE = (SELECT ORDERDATE FROM inserted )
    UPDATE MCUSTOMERS SET CUSTPRIORITY = 3 WHERE MCUSTOMERS.CUSTOMERID = @CUS AND YEAR(@ODATE) = 1997
    UPDATE MCUSTOMERS SET CUSTPRIORITY = 2 WHERE MCUSTOMERS.CUSTOMERID = @CUS AND YEAR(@ODATE) = 1998
    UPDATE MCUSTOMERS SET CUSTPRIORITY = 1 WHERE MCUSTOMERS.CUSTOMERID = @CUS AND YEAR(@ODATE) != 1997
AND YEAR(@ODATE) != 1998
END
CREATE TRIGGER trigger_DE2
ON MSALESORDERS
AFTER INSERT, UPDATE
AS BEGIN
    DECLARE @CUS NCHAR(5)
    DECLARE @OID INT
    DECLARE @ODATE DATE
    SELECT @CUS = (select CUSTOMERID from inserted)
    SELECT @ODATE = (SELECT ORDERDATE FROM inserted )
    UPDATE MCUSTOMERS SET CUSTPRIORITY = 1 WHERE MCUSTOMERS.CUSTOMERID = @CUS AND YEAR(@ODATE) = 1996
    UPDATE MCUSTOMERS SET CUSTPRIORITY = 2 WHERE MCUSTOMERS.CUSTOMERID = @CUS AND YEAR(@ODATE) = 1997
    UPDATE MCUSTOMERS SET CUSTPRIORITY = 3 WHERE MCUSTOMERS.CUSTOMERID = @CUS AND YEAR(@ODATE) >=1998
END
Go
create trigger DE01 on [dbo].[Order Details]
for insert, update, delete
as
with
CTE
as
(
    select Quantity from inserted
union
select Quantity from deleted
)

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update [dbo].[Order Details] set [Discount] = (
case
when Quantity <= 5 then 0.05
when Quantity between 6 and 10 then 0.1
when Quantity > 10 then 0.12
end
)
go
select * from [dbo].[Order Details]
update [dbo].[Order Details] set [Quantity] = 3 where [OrderID]=10249
--FULL BACKUP--
BACKUP DATABASE [Northwind] TO DISK = 'D:\DATA\NORTHWIND.BAK'
--DIFFERENT BACKUP--
BACKUP DATABASE [Northwind] TO DISK = 'D:\DATA\NORTHWIND_DIFF.BAK' WITH differential
--transaction DE 03--
BEGIN TRAN
UPDATE
    [dbo].[Order Details]
SET
    UnitPrice = UnitPrice + UnitPrice*0.03
WHERE
    Quantity<5
COMMIT TRAN
select * from [dbo].[Order Details]

--TRANSACTION DE 01--
BEGIN TRAN
UPDATE
    [dbo].[Order Details]
SET
    UnitPrice = UnitPrice + UnitPrice*0.05
WHERE
    Quantity>10

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COMMIT TRAN
select * from [dbo].[Order Details]

--TRANSACTION DE 02--
BEGIN TRAN
UPDATE
    [dbo].[Order Details]
SET
    UnitPrice = UnitPrice - UnitPrice*0.01
WHERE
    Quantity>20
COMMIT TRAN
select * from [dbo].[Order Details]

--BACKUP AND RESTORE--
BACKUP DATABASE [Northwind] TO DISK = N'C:\Program Files\Microsoft SQL
Server\MSSQL12.SQLEXPRESS\MSSQL\Backup\Northwind.bak'
WITH NOFORMAT, NOINIT, NAME = N'Northwind-Full Database Backup', SKIP, NOREWIND, NOUNLOAD, STATS = 10
GO
DROP DATABASE [Northwind]
USE [master]
RESTORE DATABASE [Northwind] FROM DISK = N'C:\Program Files\Microsoft SQL
Server\MSSQL12.SQLEXPRESS\MSSQL\Backup\Northwind.bak'
WITH FILE = 1, NOUNLOAD, REPLACE, STATS = 5

GO
GRANT SELECT ON [dbo].[Order Details] to Huy
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