

## (T39)討論 Guid

CourseGUID: e48417fc-9db5-4e99-822c-706c5ccef6cc

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## (T39)討論 Guid

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1. Guid
  2. Empty Guid
  3. Guid In table
  4. Clean up
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# 1. Guid

```
--=====
--T039_01
--Guid
DECLARE @Guid1 UNIQUEIDENTIFIER = NEWID();
PRINT @Guid1;
```



Messages

9D85435B-58B7-4093-B25E-6AECB1010DE3

```
DECLARE @Guid2 UNIQUEIDENTIFIER;
PRINT @Guid2;
IF ( @Guid2 IS NULL )
BEGIN
    PRINT '@Guid2 is NULL, now, set value';
    SET @Guid2 = NEWID();
END;
PRINT @Guid2;
```



Messages

@Guid2 is NULL, now, set value

D2DDD410-99E7-41DA-8BDF-21FB6D0200F4

```
DECLARE @Guid3 UNIQUEIDENTIFIER;
SELECT ISNULL(@Guid3, NEWID());
PRINT @Guid3;
GO -- Run the previous command and begins new batch
```

(No column name)

1

EDFC0753-1F61-49CB-A1DF-F3860E7B2719

---

# 2. Empty Guid


```
--=====
--T039_02
--Empty Guid
DECLARE @Guid1 UNIQUEIDENTIFIER = '00000000-0000-0000-0000-000000000000';
```

```

PRINT @Guid1;
DECLARE @Guid2 UNIQUEIDENTIFIER = CAST(CAST(0 AS BINARY) AS UNIQUEIDENTIFIER);
PRINT @Guid2;
DECLARE @Guid3 UNIQUEIDENTIFIER = CAST(0x0 AS UNIQUEIDENTIFIER);
--0x0 is a literal of datatype varbinary(1) and value 0x00. (A single byte with all bits set to 0).
PRINT @Guid3;

--Check if Empty Guid
IF ( @Guid1 = '00000000-0000-0000-0000-000000000000' )
BEGIN
    PRINT '@Guid1 is Empty Guid, now, set NEWID()';
    SET @Guid1 = NEWID();
END;
PRINT @Guid1;
--Check if Empty Guid
DECLARE @Result1 NVARCHAR(30) = IIF(@Guid2 = CAST(0x0 AS UNIQUEIDENTIFIER), '@Guid2 is empty
Guid', CAST(@Guid2 AS NVARCHAR));
PRINT @Result1;
GO -- Run the previous command and begins new batch

```

 Messages

```

00000000-0000-0000-0000-000000000000
00000000-0000-0000-0000-000000000000
00000000-0000-0000-0000-000000000000
@Guid1 is Empty Guid, now, set NEWID()
18B4A9C8-A405-4229-8B73-68B148E58F69
@Guid2 is empty Guid

```

=====

### 3. Guid In table

```

-----
--T039_03
--Guid In table
IF ( EXISTS ( SELECT *
               FROM   INFORMATION_SCHEMA.TABLES
               WHERE    TABLE_NAME = 'Person1' ) )
BEGIN
    TRUNCATE TABLE dbo.Person1;
    DROP TABLE Person1;
END;
GO -- Run the previous command and begins new batch
IF ( EXISTS ( SELECT *
               FROM   INFORMATION_SCHEMA.TABLES
               WHERE    TABLE_NAME = 'Person2' ) )
BEGIN
    TRUNCATE TABLE dbo.Person2;
    DROP TABLE Person2;
END;
GO -- Run the previous command and begins new batch
IF ( EXISTS ( SELECT *

```

```

        FROM      INFORMATION_SCHEMA.TABLES
        WHERE      TABLE_NAME = 'Person3' ) )

BEGIN
    TRUNCATE TABLE dbo.Person3;
    DROP TABLE Person3;

END;
GO -- Run the previous command and begins new batch
CREATE TABLE Person1
(
    Id UNIQUEIDENTIFIER PRIMARY KEY
                                DEFAULT NEWID() ,

    [Name] NVARCHAR(50)
);
INSERT INTO Person1
VALUES ( DEFAULT, 'P1Name01' );
INSERT INTO Person1
VALUES ( DEFAULT, 'P1Name02' );
GO -- Run the previous command and begins new batch
CREATE TABLE Person2
(
    Id UNIQUEIDENTIFIER PRIMARY KEY
                                DEFAULT NEWID() ,

    [Name] NVARCHAR(50)
);
INSERT INTO Person2
VALUES ( DEFAULT, 'P2Name01' );
INSERT INTO Person2
VALUES ( DEFAULT, 'P2Name02' );
GO -- Run the previous command and begins new batch
CREATE TABLE Person3
(
    Id UNIQUEIDENTIFIER PRIMARY KEY
                                DEFAULT NEWID() ,

    [Name] NVARCHAR(50)
);
INSERT INTO Person3
    SELECT *
    FROM    Person1
    UNION ALL
    SELECT *
    FROM    Person2;
GO -- Run the previous command and begins new batch
SELECT *
FROM    Person1;
SELECT *
FROM    Person2;
SELECT *
FROM    Person3;
GO -- Run the previous command and begins new batch

```

|   | Id                                   | Name     |
|---|--------------------------------------|----------|
| 1 | 0A2015C6-A90C-48DF-A63C-D09565566E86 | P1Name02 |
| 2 | 648AA0E2-1C59-43E3-9D29-F13C06D37DCC | P1Name01 |

---

|   | Id                                   | Name     |
|---|--------------------------------------|----------|
| 1 | 088E11E6-C1E8-4351-9F1A-1E83173B1662 | P2Name02 |
| 2 | 2AB50B3F-1D3B-4FCC-8D89-53D3F8269186 | P2Name01 |

---

|   | Id                                   | Name     |
|---|--------------------------------------|----------|
| 1 | 088E11E6-C1E8-4351-9F1A-1E83173B1662 | P2Name02 |
| 2 | 2AB50B3F-1D3B-4FCC-8D89-53D3F8269186 | P2Name01 |
| 3 | 0A2015C6-A90C-48DF-A63C-D09565566E86 | P1Name02 |
| 4 | 648AA0E2-1C59-43E3-9D29-F13C06D37DCC | P1Name01 |

=====

## 4. Clean up

```
--=====
--T039_04
--Clean up
IF ( EXISTS ( SELECT      *
                FROM        INFORMATION_SCHEMA.TABLES
                WHERE       TABLE_NAME = 'Person1' ) )
    BEGIN
        TRUNCATE TABLE dbo.Person1;
        DROP TABLE Person1;
    END;
GO -- Run the previous command and begins new batch
IF ( EXISTS ( SELECT      *
                FROM        INFORMATION_SCHEMA.TABLES
                WHERE       TABLE_NAME = 'Person2' ) )
    BEGIN
        TRUNCATE TABLE dbo.Person2;
        DROP TABLE Person2;
    END;
GO -- Run the previous command and begins new batch
IF ( EXISTS ( SELECT      *
                FROM        INFORMATION_SCHEMA.TABLES
                WHERE       TABLE_NAME = 'Person3' ) )
    BEGIN
        TRUNCATE TABLE dbo.Person3;
        DROP TABLE Person3;
    END;
GO -- Run the previous command and begins new batch
```