
文章

[姚鑫](#) · 九月 28, 2021 阅读大约需 4 分钟

第二十八章 SQL命令 DELETE (二)

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示例

以下两个示例都删除了TempEmployees表中的所有行。请注意，FROM关键字是可选的：

```
DELETE FROM TempEmployees
```

```
DELETE TempEmployees
```

以下示例从Employees表中删除员工编号234：

```
DELETE
    FROM Employees
    WHERE EmpId = 234
```

下面的示例从ActiveEmployees表中删除CurStatus列设置为“RETIRED”的所有行：

```
DELETE FROM ActiveEmployees
    WHERE CurStatus = 'Retired'
```

下面的示例使用子查询删除行：

```
DELETE FROM (SELECT Name, Age FROM Sample.Person WHERE Age > 65)
```

嵌入式SQL和动态SQL示例

在下面的一组程序示例中，第一个程序创建了一个名为SQLUser.WordPair的表，该表有三列。下一个程序插入六条记录。后续程序使用基于指针的嵌入式SQL删除所有英语记录，并使用动态SQL删除所有法语记录。最后一个程序显示剩余的记录，然后删除该表。

```
ClassMethod Deletel()
{
    &sql(
        CREATE TABLE SQLUser.WordPairs
        (
            Lang          CHAR(2) NOT NULL,
            Firstword      CHAR(30),
```

```
        Lastword    CHAR(30)
    )
)
if SQLCODE = 0 {
    w !,"?????"
} elseif SQLCODE = -201 {
    w !,"?????"
    q
} else {
    w !,"CREATE TABLE??. SQLCODE=",SQLCODE
}
}
```

```
ClassMethod Delete2()
{
    #SQLCompile Path = Cinema,Sample
    &sql(
        INSERT INTO WordPairs
        (
            Lang, Firstword, Lastword
        )
        VALUES
        (
            'En', 'hello', 'goodbye'
        )
    )
    if SQLCODE = 0 {
        w !,"?????????"
    } else {
        w !,"Insert ??, SQLCODE=",SQLCODE
        q
    }
    &sql(INSERT INTO WordPairs (Lang,Firstword,Lastword) VALUES
    ('Fr','bonjour','au revoir'))
    if SQLCODE = 0 {
        w !,"?????????"
    } else {
        w !,"Insert ??, SQLCODE=",SQLCODE
        q
    }
    &sql(INSERT INTO WordPairs (Lang,Firstword,Lastword) VALUES
    ('It','pronto','ciao'))
    if SQLCODE = 0 {
        w !,"?????????"
    } else {
        w !,"Insert ??, SQLCODE=",SQLCODE
        q
    }
    &sql(INSERT INTO WordPairs (Lang,Firstword,Lastword) VALUES
    ('Fr','oui','non'))
    if SQLCODE = 0 {
        w !,"?????????"
    } else {
        w !,"Insert ??, SQLCODE=",SQLCODE
        q
    }
    &sql(INSERT INTO WordPairs (Lang,Firstword,Lastword) VALUES
    ('En','howdy','see ya'))
}
```

```

if SQLCODE = 0 {
    w !,"?????????"
} else {
    w !,"Insert ??, SQLCODE=",SQLCODE
    q
}
&sql(INSERT INTO WordPairs (Lang,Firstword,Lastword) VALUES
('Es','hola','adios'))
IF SQLCODE = 0 {
    w !,"?????????",!!
    s myquery = "SELECT %ID,* FROM SQLUser.WordPairs"
    s tStatement = ##class(%SQL.Statement).%New()
    s qStatus = tStatement.%Prepare(myquery)
    if qStatus'=1 {
        w "%Prepare failed:"
        d $System.Status.DisplayError(qStatus)
        q
    }
    s rset = tStatement.%Execute()
    d rset.%Display()
    w !,"End of data"
} else {
    w !,"Insert ??, SQLCODE=",SQLCODE
    q
}
}

```

ClassMethod Delete3()

```

{
    #SQLCompile Path=Sample
    n %ROWCOUNT,%ROWID
    &sql(
        DECLARE WPCursor CURSOR FOR
        SELECT Lang FROM WordPairs
        WHERE Lang='En'
    )
    &sql(
        OPEN WPCursor
    )
    q:(SQLCODE'=0)
    for {
        &sql(
            FETCH WPCursor
        )
        q:SQLCODE
        &sql(
            DELETE FROM WordPairs
            WHERE CURRENT OF WPCursor
        )
        if SQLCODE=0 {
            w !,"Delete ??"
            w !,"Row count=",%ROWCOUNT," RowID=",%ROWID
        } else {
            w !,"Delete ??, SQLCODE=",SQLCODE
        }
    }
    &sql(

```

```
        CLOSE WPCursor
    )
}

ClassMethod Delete4()
{
    s sqltext = "DELETE FROM WordPairs WHERE Lang=?"
    s tStatement = ##class(%SQL.Statement).%New(0,"Sample")
    s qStatus = tStatement.%Prepare(sqltext)
    if qStatus'=1 {
        w "%Prepare failed:"
        d $System.Status.DisplayError(qStatus)
        q
    }
    s rtn = tStatement.%Execute("Fr")
    if rtn.%SQLCODE=0 {
        w !,"Delete succeeded"
        w !,"Row count=",rtn.%ROWCOUNT," RowID of last record=",rtn.%ROWID
    } else {
        w !,"Delete failed, SQLCODE=",rtn.%SQLCODE }
}

ClassMethod Delete5()
{
    s myquery = "SELECT %ID,* FROM SQLUser.WordPairs"
    s tStatement = ##class(%SQL.Statement).%New()
    s qStatus = tStatement.%Prepare(myquery)
    if qStatus'=1 {
        w "%Prepare ????"
        d $System.Status.DisplayError(qStatus)
        q
    }
    s rset = tStatement.%Execute()
    d rset.%Display()
    w !,"End of data"
    &sql(
        DROP TABLE SQLUser.WordPairs
    )
    if SQLCODE=0 {
        w !,"Table ??"
        q
    } else {
        w !,"Table ?????, SQLCODE=",SQLCODE
    }
}
```

[#SQL #Cache](#)

源

URL:

<https://cn.community.intersystems.com/post/%E7%AC%AC%E4%BA%8C%E5%8D%81%E5%85%AB%E7%AB%A0-sql%E5%91%BD%E4%BB%A4-delete%E5%BC%88%E4%BA%8C%E5%BC%89>
