

Module 3 视图

视图就是 SQL 语句产生的结果

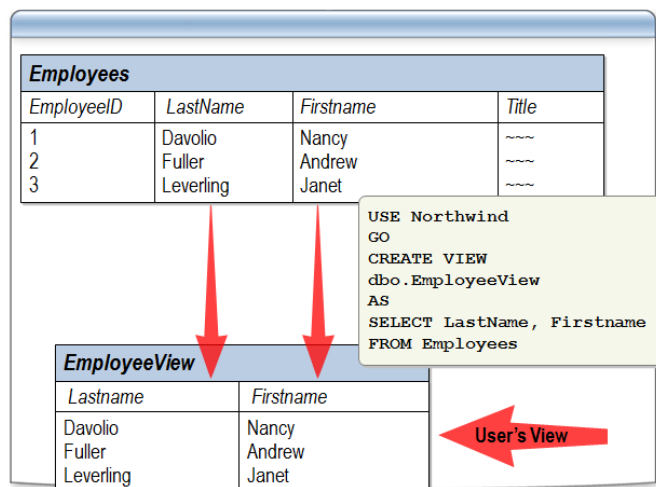
隐藏的数据的复杂性

将加工好的数据展

筛选列

筛选行

What Are Views?



查看每个学生各科成绩

```
SELECT
```

```

    Sname 姓名, Class 班级, MAX(CASE SubjectID WHEN '0001' THEN mark
ELSE 0 END) AS '计算机网络',
MAX(CASE SubjectID WHEN '0002' THEN mark ELSE 0 END) AS '数据结构',
MAX(CASE SubjectID WHEN '0003' THEN mark ELSE 0 END) AS '大学英语',
MAX(CASE SubjectID WHEN '0004' THEN mark ELSE 0 END) AS '操作系统'
FROM  dbo.TStudent a join  dbo.TScore b on a.StudentID=b.StudentID
GROUP BY  sname ,Class
```

创建视图

```
create view VSS
```

```
as
```

```
SELECT
```

```

    Sname 姓名, Class 班级, MAX(CASE SubjectID WHEN '0001' THEN mark
```

```
ELSE 0 END) AS '计算机网络',  
MAX(CASE SubjectID WHEN '0002' THEN mark ELSE 0 END) AS '数据结构',  
MAX(CASE SubjectID WHEN '0003' THEN mark ELSE 0 END) AS '大学英语',  
MAX(CASE SubjectID WHEN '0004' THEN mark ELSE 0 END) AS '操作系统'  
FROM dbo.TStudent a join dbo.TScore b on a.StudentID=b.StudentID  
GROUP BY sname ,Class
```

可以和表一样查询视图

```
Select * from dbo.VSS
```

可以直接查视图，隐藏了数据的复杂性

创建视图增加计算列 总分，视图的基表可以是视图

```
create view VSumMark  
as  
select *, 计算机网络+数据结构+大学英语+操作系统 总分 from VSS
```

查询视图数据

```
select * from VSumMark
```