

Slide 1: Adding Comments to SQL

# Adding Comments to SQL

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**EXTENSION**

Slide 2: Learning Objectives

## Learning Objectives

Discuss importance of writing comments as a part of your code

Describe several comment syntaxes used in SQL

Write comments in your code

Slide 3: Why Add Comments

## Why Add Comments

Help you remember **what** you were doing  
and **why**

Mute the expression of code  
(commenting out code)

Troubleshoot query issues systematically

## Slide 4: Adding Comments

# Adding Comments

## Single Line

```
SELECT shoe_id  
- -,brand_id  
,shoe_name  
from shoes
```

## Section

```
SELECT shoe_id  
/*,brand_id  
,shoe_name  
*/  
from shoes
```

## Slide 5: Comments Gone Wrong

## Comments Gone Wrong

```
SELECT
--Getting the average units for each material
    material
    ,avg(netunits) AS avg_netunits
--Getting this from the sku table for shoes
FROM shoe_skoe
--Grouping it by each month of the year first, and then
material
    GROUP BY yearmonth, material
--Ordering it in Descending order.
    ORDER BY avg_netunits DESC;
```

## Slide 6

```
--Selecting the average amount for shirts
SELECT avg(c.Shirt_amount)
--Joining to the customer table and the dates table so we can provide
filters.
FROM Shirt c INNER JOIN Customer m ON c.shirt_nbr = m.shirt_nbr
        INNER JOIN dates dt ON c.date_skey = dt.date_skey
--Filtering on dates for 2014 and filtering
WHERE date_yyyymm between '201401' AND '201412'
---Need to create the customers age from their date of birth
        AND YEAR(CURRENT DATE - Customer_DOB) >= 0
        AND YEAR(CURRENT DATE - Customer_DOB) < 19
        AND c.sbtck = 1
        AND c.category in ('A','9')
--Ordering it by random
ORDER BY rand()
        FETCH first 10000 rows only;
```

Slide 7: Source Code Editors

## Source Code Editors

Environment **separate from the database**  
where you can write and edit code

e.g.: Notepad++

Automatically highlights and indents  
statements

Helps you write clean code