/\* WHERE CONDITIONS \*/

-- SLIDE 17a - Which products do not have safetystocklevel equal to 1000? (348 rows)

SELECT p.name, p.safetystocklevel

FROM production.product AS p

WHERE p.safetystocklevel != 1000;

-- SLIDE 17b - How many products have a product ID greater than 300? (1 row - 500)

SELECT COUNT(p.productid)

FROM production.product AS p

WHERE productid > 300;

-- SLIDE 17c - How many products have a reorder point of fewer than 50 units? (1 row - 59)

SELECT COUNT(p.productid)

FROM production.product AS p

WHERE p.reorderpoint < 50;

-- SLIDE 18a - Which products are of productline ‘R’ or ‘S’? (135 rows)

SELECT \*

FROM production.product AS p

WHERE p.productline IN ('R', 'S');

-- SLIDE 18b - Which products have ‘Road’ in the name? (103 rows)

SELECT \*

FROM production.product As p

WHERE p.name ILIKE '%road%';

-- SLIDE 18c - Which products don’t have ‘Road’ in the name? (401 rows)

SELECT \*

FROM production.product AS p

WHERE p.name NOT ILIKE '%road%';

-- SLIDE 19a - Which products have a weight between 25 and 30 pounds? (40 rows)

SELECT \*

FROM production.product AS p

WHERE p.weight

BETWEEN 25 AND 30;

-- SLIDE 19b - Which products have a list price between $10 and $30? (17 rows)

SELECT \*

FROM production.product AS p

WHERE p.listprice BETWEEN 10 AND 30;

-- SLIDE 21 - Combining logical operators (wrong query - 13 rows)

SELECT \*

FROM production.product AS p

WHERE color ILIKE 'Silver'

AND p.style ILIKE 'U'

OR p.listprice > 3000;

-- SLIDE 22 - Corrected query with parentheses () (4 rows)

SELECT \*

FROM production.product AS p

WHERE color ILIKE 'Silver'

AND (p.style ILIKE 'U'

OR p.listprice > 3000);

/\* STRING FUNCTION \*/

-- SLIDE 25 - CONCAT

SELECT CONCAT(p.productid, ' hello ', p.name)

FROM production.product AS p

LIMIT 10;

-- SLIDE 26 - LENGTH

SELECT p.name, LENGTH(p.name)

FROM production.product AS p

LIMIT 10;

-- SLIDE 27 - REPLACE

SELECT p.name,

REPLACE(p.name, 'LL Crankarm', 'HELLO WORLD!')

FROM production.product AS p

LIMIT 10;

-- SLIDE 29 - UPPER

SELECT p.name, UPPER(p.name)

FROM production.product AS p

LIMIT 10;

-- SLIDE 30 - RIGHT

SELECT p.productnumber, RIGHT(p.productnumber, 4)

FROM production.product AS p

LIMIT 10;

-- SLIDE 31 - SUBSTRING

SELECT p.name, SUBSTRING(p.name, 2, 4)

FROM production.product AS p

LIMIT 10;

-- SLIDE 32 - LEFT or RIGHT TRIM (1 row, 7-7-5-9)

SELECT LENGTH(LTRIM(' left! ')) AS "left",

LENGTH(RTRIM(' right ')) AS "right",

LENGTH(LTRIM(RTRIM(' both! '))) AS "both",

LENGTH((' none! ')) AS "none"

-- SLIDE 33 - TRIM, leading & trailing

SELECT p.productnumber,

TRIM(LEADING 'B' from p.productnumber),

TRIM (TRAILING '7' from p.productnumber)

FROM production.product AS P;