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Purpose: Multi-row functions

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/\*-- Q1: Create a query to determine the average and the total sales in the database. Named the

columns “Total” and “Total average per sale” \*/

// Q1 SOLUTION

SELECT

SUM(lab2\_sale\_price) AS "Total",

AVG(lab2\_sale\_price) AS "Total average per sale"

FROM

lab2\_sale;

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\*Q2: Repeat the same as the previous questions but add another column named “Email

domain” that represents the domain of the email of the user (google.com, icloud.com,

outlook.com, etc). Calculate the total sales and the average value per sale per each email

domain\*/

//Q2 Solution

SELECT

SUBSTR(email, INSTR(email, '@') + 1) AS "Email domain",

SUM(lab2\_sale\_price) AS "Total",

AVG(lab2\_sale\_price) AS "Total average per sale"

FROM

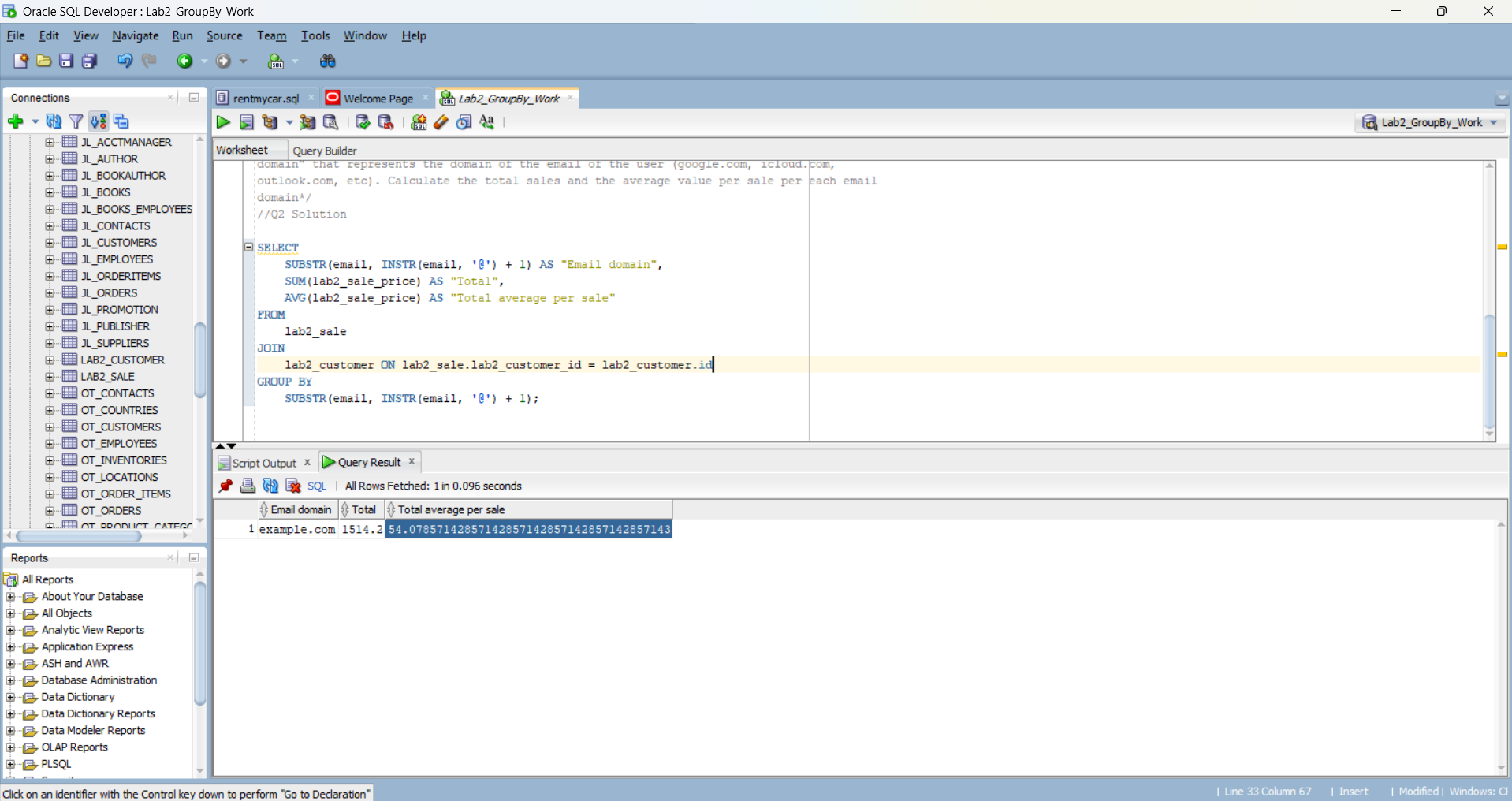
lab2\_sale

JOIN

lab2\_customer ON lab2\_sale.lab2\_customer\_id = lab2\_customer.id

GROUP BY

SUBSTR(email, INSTR(email, '@') + 1);



/\*- Q3: Create a query that returns the name of the month a sale took place, the number of

sales for each of those months, plus the average sale amount per month\*/

SELECT

TO\_CHAR(lab2\_sale\_date, 'Month') AS "Month",

COUNT(\*) AS "Number of sales",

AVG(lab2\_sale\_price) AS "Average sale amount"

FROM

lab2\_sale

GROUP BY

TO\_CHAR(lab2\_sale\_date, 'Month');

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/\* - Q4: Create a query to calculate the minimum, maximum and total sales per user. Display the

user name in one column and named it “fullname”, the user\_id, the minimum, maximum and

total sales per user\*/

//Q2 Solution

SELECT

(name || ' ' || last\_name) AS "fullname",

lab2\_customer.id AS "user\_id",

MIN(lab2\_sale\_price) AS "Minimum Sale",

MAX(lab2\_sale\_price) AS "Maximum Sale",

SUM(lab2\_sale\_price) AS "Total Sales"

FROM

lab2\_customer

JOIN

lab2\_sale ON lab2\_customer.id = lab2\_sale.lab2\_customer\_id

GROUP BY

lab2\_customer.id, name, last\_name;

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/\* - Q5: Create a query that lists every sale ID, sale date and total price plus tax. Assume a ta rate

of 13 percent.\*/

//Q2 Solution

SELECT

id ,

lab2\_sale\_date ,

lab2\_sale\_price \* 1.13 AS "Total price plus tax"

FROM

lab2\_sale;

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