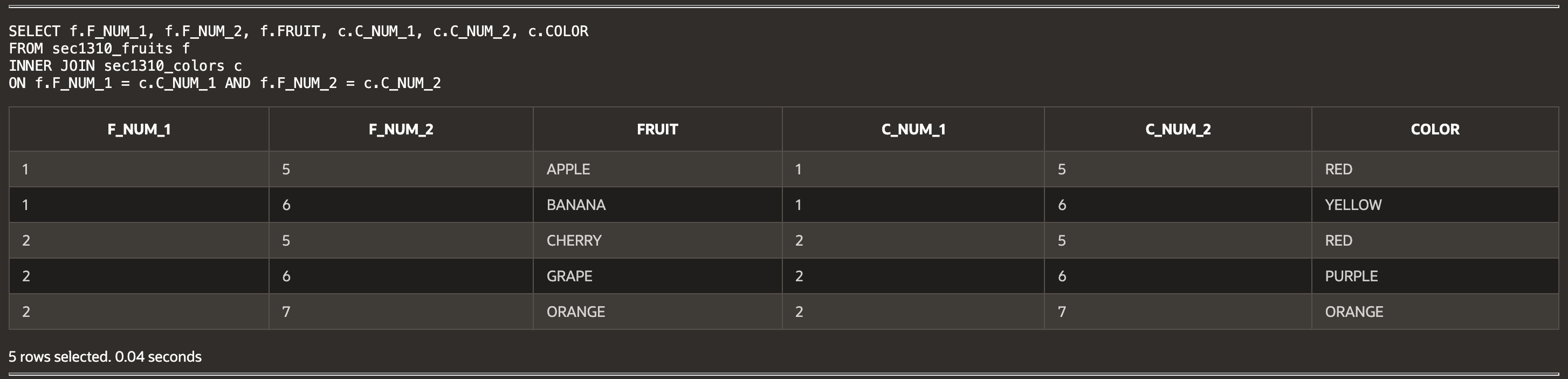
**Week 4 Guided Practice: Inner Joins Part 2**

The following questions come from the Task examples of Chapter 13 in your textbook.

After you are finished, please submit the Microsoft Word file that contains screenshots of the SQL queries and the output, along with a comment in the query containing your name. Your document should be named **W4\_GP\_InnerJoins2\_Lastname.docx**.

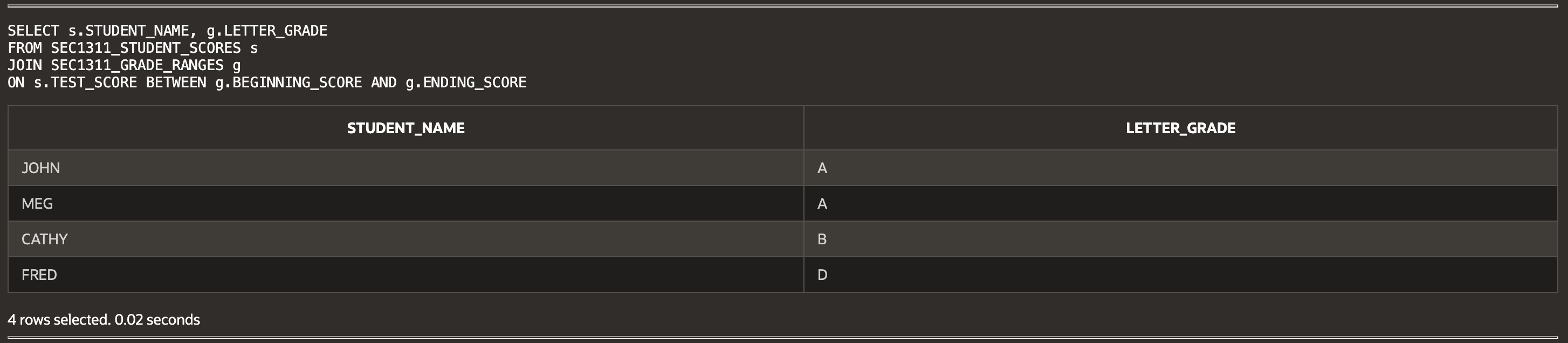
(13-10) Question 1:

Join the *sec1310\_fruits* table and the *sec1310\_colors* table with an inner join. Use a join condition that matches rows when the first two columns of each table are equal.



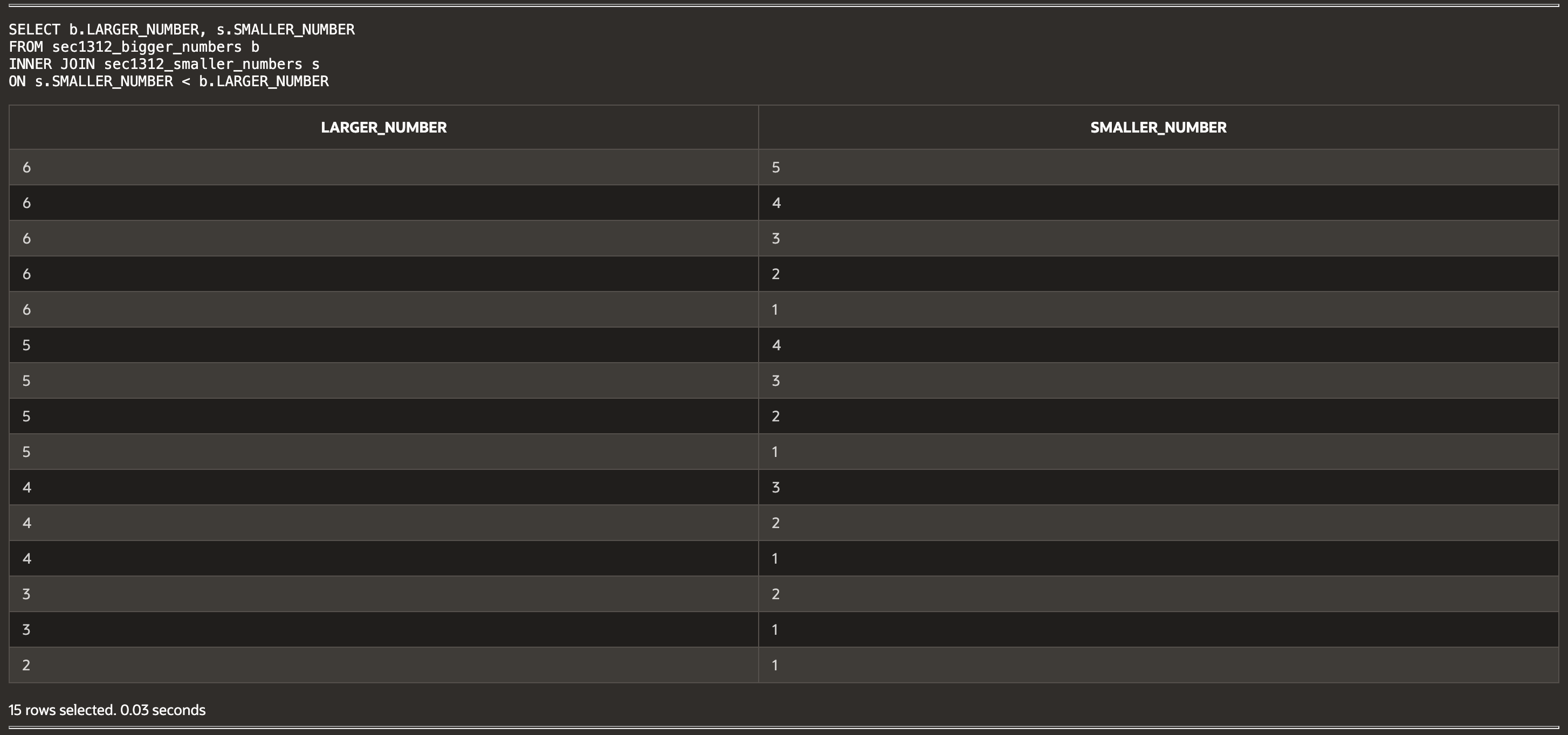
(13-11) Question 2:

Assign grades to students by placing their individual test scores within one of the grading ranges.



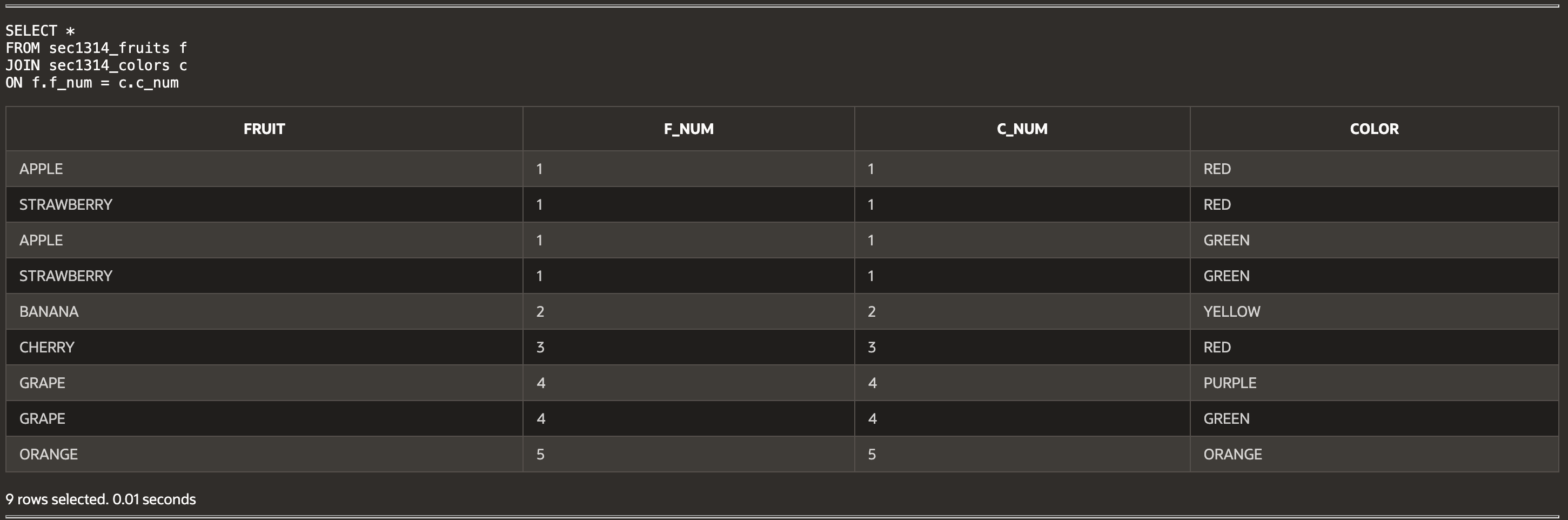
(13-12) Question 3:

Join the *sec1312\_bigger\_numbers* table with the *sec1312\_smaller\_numbers* table. Create a join condition that pairs each bigger number with all the smaller numbers that are less than it.



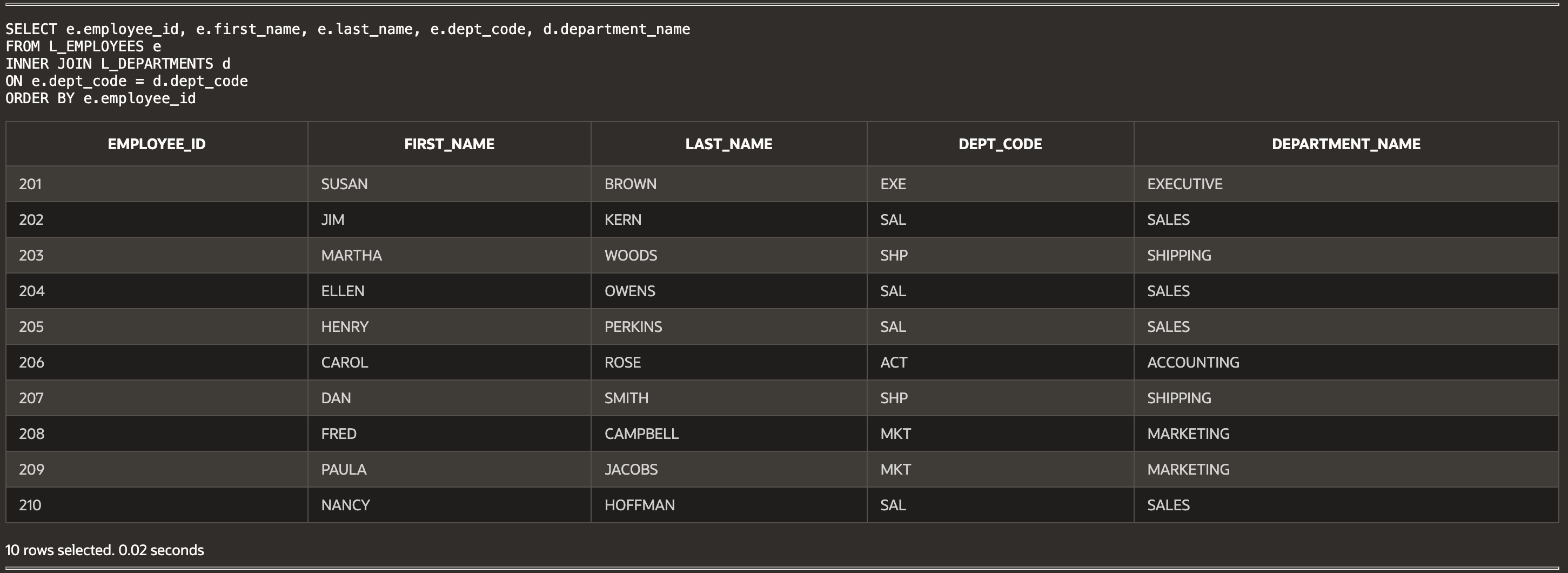
(13-14) Question 4:

Show the syntax for joining two tables in the *from* clause. Join the *sec1314\_fruits* table and the *sec1314\_colors* table using newer syntax.



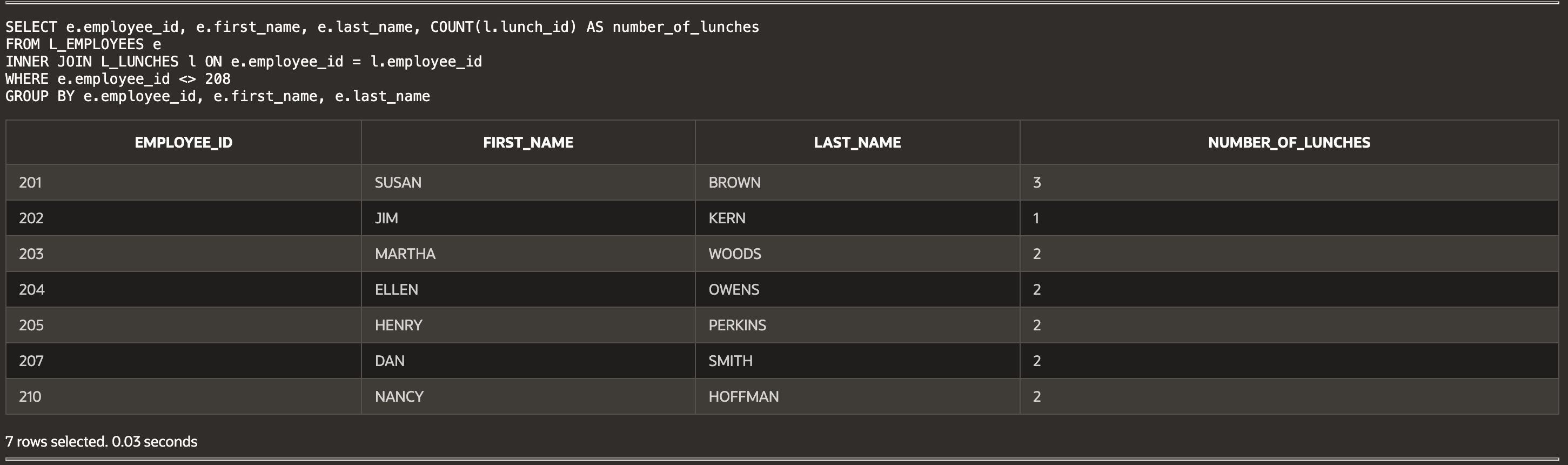
(13-15) Question 5:

For each employee show the *employee\_id*, *first\_name, last\_name, dept\_code*, and *department\_name*. Sort the rows by the *employee\_id*. Use an inner join to get the *department\_name* from the *L\_DEPARTMENTS* table.



(13-17) Question 6:

List all the employees who are attending more than one lunch, except employee 208. Show the following columns: *employee\_id, first\_name, last\_name*, and *number\_of\_lunches*.



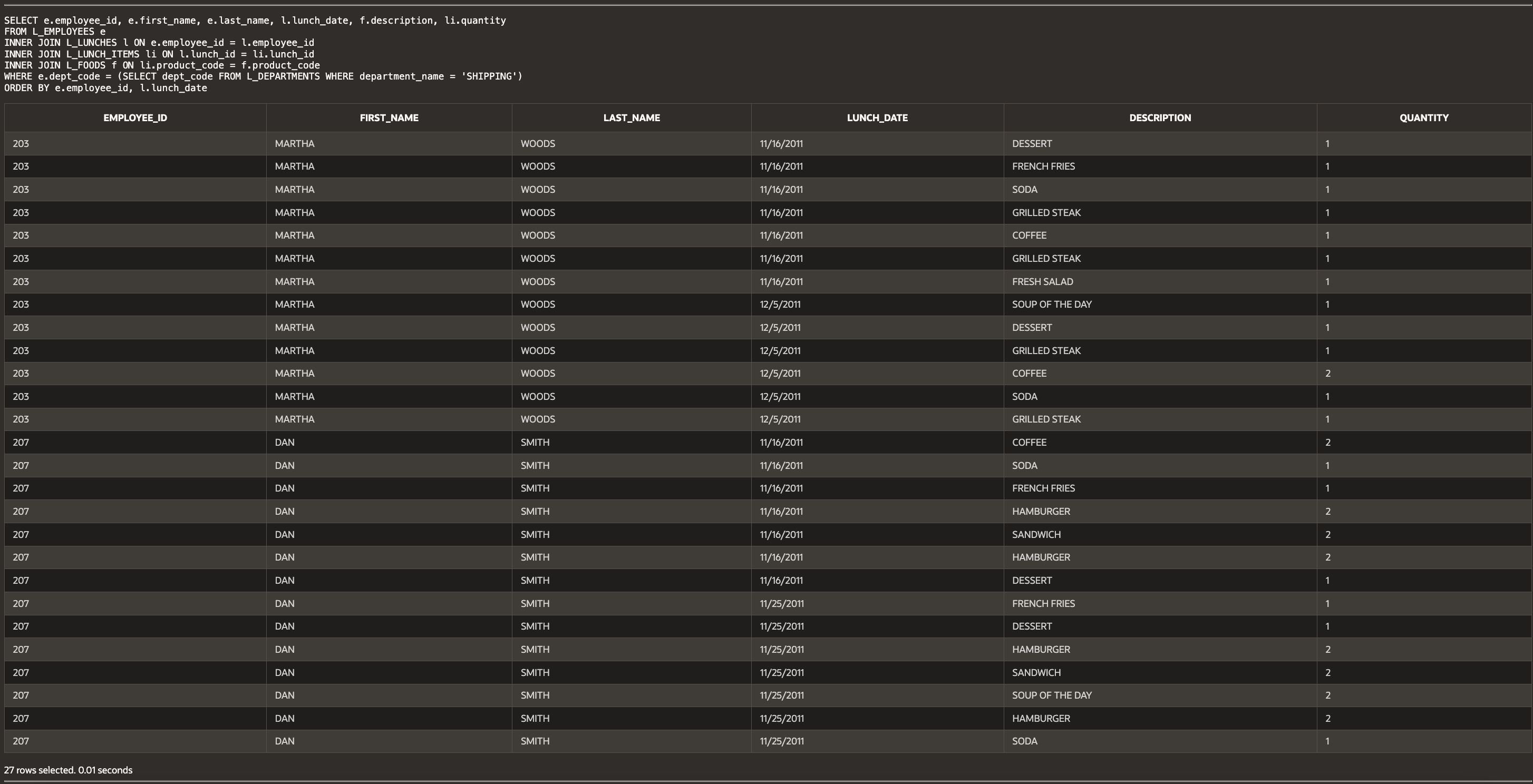
(13-18) Question 7:

Find all the columns in the primary key of the *L\_FOODS* tables.



(13-19) Question 8:

Show information about all the lunches ordered by people in the shipping department. Show the employee ID, names of the employees, the lunch date, and the descriptions and quantities of the foods they will eat. Sort the result by the *employee\_id* and the *lunch\_date* columns. To do this you need to join four tables.

  
  
  
**Script:**

-- W4\_GP\_InnerJoins2\_Archer.sql

-- Haley Archer

-- (13-10) Question 1

SELECT f.F\_NUM\_1, f.F\_NUM\_2, f.FRUIT, c.C\_NUM\_1, c.C\_NUM\_2, c.COLOR

FROM sec1310\_fruits f

INNER JOIN sec1310\_colors c

ON f.F\_NUM\_1 = c.C\_NUM\_1 AND f.F\_NUM\_2 = c.C\_NUM\_2

-- (13-11) Question 2

SELECT s.STUDENT\_NAME, g.LETTER\_GRADE

FROM SEC1311\_STUDENT\_SCORES s

JOIN SEC1311\_GRADE\_RANGES g

ON s.TEST\_SCORE BETWEEN g.BEGINNING\_SCORE AND g.ENDING\_SCORE

-- (13-12) Question 3

SELECT b.LARGER\_NUMBER, s.SMALLER\_NUMBER

FROM sec1312\_bigger\_numbers b

INNER JOIN sec1312\_smaller\_numbers s

ON s.SMALLER\_NUMBER < b.LARGER\_NUMBER

-- (13-14) Question 4

SELECT \*

FROM sec1314\_fruits f

JOIN sec1314\_colors c

ON f.f\_num = c.c\_num;

-- (13-15) Question 5

SELECT e.employee\_id, e.first\_name, e.last\_name, e.dept\_code, d.department\_name

FROM L\_EMPLOYEES e

INNER JOIN L\_DEPARTMENTS d

ON e.dept\_code = d.dept\_code

ORDER BY e.employee\_id;

-- (13-17) Question 6

SELECT e.employee\_id, e.first\_name, e.last\_name, COUNT(l.lunch\_id) AS number\_of\_lunches

FROM L\_EMPLOYEES e

INNER JOIN L\_LUNCHES l ON e.employee\_id = l.employee\_id

WHERE e.employee\_id <> 208

GROUP BY e.employee\_id, e.first\_name, e.last\_name;

-- (13-18) Question 7

SELECT column\_name

FROM all\_cons\_columns

WHERE table\_name = 'L\_FOODS' AND constraint\_name = (

SELECT constraint\_name FROM all\_constraints

WHERE table\_name = 'L\_FOODS' AND constraint\_type = 'P'

);

-- (13-19) Question 8

SELECT e.employee\_id, e.first\_name, e.last\_name, l.lunch\_date, f.description, li.quantity

FROM L\_EMPLOYEES e

INNER JOIN L\_LUNCHES l ON e.employee\_id = l.employee\_id

INNER JOIN L\_LUNCH\_ITEMS li ON l.lunch\_id = li.lunch\_id

INNER JOIN L\_FOODS f ON li.product\_code = f.product\_code

WHERE e.dept\_code = (SELECT dept\_code FROM L\_DEPARTMENTS WHERE department\_name = 'SHIPPING')

ORDER BY e.employee\_id, l.lunch\_date