Started on	Monday, 30 March 2020, 8:59 AM
State	Finished
Completed on	Monday, 30 March 2020, 9:06 AM
Time taken	6 mins 14 secs
Marks	9.00/10.00
Grade	**90.00** out of 100.00
Feedback	Congratulations!!! You have passed by securing more than 80%

Question 1

Correct

Mark 1.00 out of 1.00

Group functions can be used in the where clause. State True or False.

Select one:

- a. FALSE ✔
- b. TRUE

The correct answer is: FALSE

Question 2

Correct

Mark 1.00 out of 1.00

Evaluate these two SQL statements:

1. SELECT CONCAT(first_name, last_name),
LENGTH(CONCAT(first_name, last_name))
FROM employee
WHERE UPPER(last_name) LIKE '%J'
ORUPPER(last_name) LIKE '%K'
ORUPPER(last_name) LIKE '%L';

2. SELECT INITCAP(first_name) || INITCAP(last_name),
LENGTH(last_name) + LENGTH(first_name)
FROM employee
WHERE INITCAP(SUBSTR(last_name, 1, 1)) IN ('J', 'K', 'L');

How will the results differ?

Select one:

- a. The statements will retrieve the same data from the database, but will display it differently.
- b. The statements will retrieve different data from the database. ✔
- c. Statement 1 will execute, but statement 2 will not.
- d. Statement 2 will execute, but statement 1 will not.

The correct answer is: The statements will retrieve different data from the database.

Incorrect

Mark 0.00 out of 1.00

order has not been shipped, your report must display 'Not Shipped'. If the total is not available, your report must display 'Not Available'.

In the ORDER table, the SHIPDATE column has a datatype of DATE. The TOTAL column has a datatype of INT.

Which statement do you use to create this report?

Select one:

- a. SELECT ordid, IFNULL(shipdate, 'Not Shipped') SHIPDATE, IFNULL(total,'Not Available')TOTAL FROM order;
- b. SELECT ordid,TO_CHAR(shipdate, 'Not Shipped'), TO_CHAR(total,'Not Available') FROM order; ✖
- c. SELECT ordid, IFNULL(shipdate, 'Not Shipped') as SHIPDATE,Total FROM order;
- d. SELECT ordid, shipdate "Not Shipped", total "Not Available" FROM order;

The correct answer is: SELECT ordid, IFNULL(shipdate, 'Not Shipped') SHIPDATE, IFNULL(total,'Not Available')TOTAL FROM order;

Question 4

Correct

Mark 1.00 out of 1.00

SELECT lot_no "Lot Number", COUNT(*) "Number of Cars Available"

FROM cars

WHERE model = 'Fire'

GROUP BY lot_no

HAVING COUNT(*) > 10

ORDER BY COUNT(*);

In the above statement which clause restricts which groups are displayed?

Select one:

- a. HAVING COUNT(*) > 10 ✔
- b. WHERE model = 'Fire'
- c. GROUP BY lot_no
- d. SELECT lot_no "Lot Number", COUNT(*) "Number of Cars Available"
- e. ORDER BY COUNT(*)

The correct answer is: HAVING COUNT(*) > 10

Question 5

Correct

Mark 1.00 out of 1.00

Single row functions can be nested to any level. State true or False.

Select one:

- a. TRUE ✔
- b. FALSE

The correct answer is: TRUE

Correct

Mark 1.00 out of 1.00

placed. To do this, you must create a report that displays the customer number, date ordered, date shipped, and the number of months in whole numbers from the time the order is placed to the time the order is shipped. Which statement produces the required results?

Select one:

- a. SELECT custid, orderdate, shipdate, ROUND(MONTHS_BETWEEN (shipdate, orderdate)) "Time Taken" FROM ORD; ✔
- b. SELECT custid, orderdate, shipdate, ROUND(DAYS_BETWEEN (shipdate, orderdate))/ 30) "Time Taken" FROM ord;
- c. SELECT custid, orderdate, shipdate, MONTHS_BETWEEN (shipdate, orderdate)"Time Taken" FROM ord;
- d. SELECT custid, orderdate, shipdate, ROUNDOFF(shipdate - orderdate) "Time Taken" FROM ord;

The correct answer is: SELECT custid, orderdate, shipdate, ROUND(MONTHS_BETWEEN (shipdate, orderdate)) "Time Taken" FROM ORD;

Question 7

Correct

Mark 1.00 out of 1.00

Select the suitable option for displaying the average commission percentage of all employees, where the commission percentage column of certain employees include NULL value.

Select one:

- a. select AVG(NVL(0,commission_pct)) from emp;
- b. select AVG(NVL(commission_pct)) from emp;
- c. select AVG(ommission_pct) from emp;
- d. select AVG(NVL(commission_pct,0)) from emp; ✔

The correct answer is: select AVG(NVL(commission_pct,0)) from emp;

Correct

Mark 1.00 out of 1.00

ID NUMBER(7) PK

COST NUMBER(7,2)

PRODUCT_ID NUMBER(7)

Evaluate these two SQL statements:

1.SELECT ROUND(MAX(cost),2),

ROUND(MIN(cost),2),ROUND(SUM(cost),2),

ROUND(AVG(cost),2)

FROM part;

2.SELECT product_id, ROUND(MAX(cost),2),

ROUND(MIN(cost),2),ROUND(SUM(cost),2),

ROUND(AVG(cost),2)

FROM part

GROUP BY product_id;

How will the results differ?

Select one:

- a. One of the statements will generate an error.
- b. The results will be the same, but the display will differ.
- c. Statement 1 will display a result for each part; statement 2 will display a result for each product.
- d. Statement 1 will only display one row of results; statement 2 could display more than one. ✔

The correct answer is: Statement 1 will only display one row of results; statement 2 could display more than one.

Question 9

Correct

Mark 1.00 out of 1.00

We need to analyze how long your orders take to be shipped from the date that the order is placed. To do this, you must create a report that displays the customer number, date ordered, date shipped, and the number of months in whole numbers from the time the order is placed to the time the order is shipped. Which statement produces the required results?

Select one:

- a. SELECT custid, orderdate, shipdate,
  ROUNDOFF(shipdate - orderdate) "Time Taken"
  FROM ord;
- b. SELECT custid, orderdate, shipdate,
  MONTHS_BETWEEN (shipdate, orderdate)"Time Taken"
  FROM ord;
- c. SELECT custid, orderdate, shipdate,
  ROUND(MONTHS_BETWEEN (shipdate, orderdate))
  "Time Taken" ✔
- d. SELECT custid, orderdate, shipdate,
  ROUND(DAYS_BETWEEN (shipdate, orderdate))/ 30) "Time Taken"
  FROM ord;

The correct answer is: SELECT custid, orderdate, shipdate,
ROUND(MONTHS_BETWEEN (shipdate, orderdate))
"Time Taken"

Correct

Mark 1.00 out of 1.00

Select one:

- a. TRUE ✔
- b. FALSE

The correct answer is: TRUE