**Question: 1**

Which two statements are true about WHERE and HAVING clauses? (Choose two)

A. A WHERE clause can be used to restrict both rows and groups.

B. A WHERE clause can be used to restrict rows only.

C. A HAVING clause can be used to restrict both rows and groups.

D. A HAVING clause can be used to restrict groups only.

E. A WHERE clause CANNOT be used in a query of the query uses a HAVING clause.

F. A HAVING clause CANNOT be used in subqueries.

**Question: 2**

Examine the description of the EMPLOYEES table:

|  |  |  |
| --- | --- | --- |
| EMP\_ID | NUMBER(4) | NOT NULL |
| LAST\_NAME | VARCHAR2(30) | NOT NULL |
| FIRST\_NAME | VARCHAR2(30) |  |
| DEPT\_ID | NUMBER(2) |  |
| JOB\_CAT | VARCHARD2(30) |  |
| SALARY | NUMBER(8,2) |  |

Which statement shows the maximum salary paid in each job category of each department?

1. SELECT dept\_id, job\_cat, MAX(salary) FROM employees

WHERE salary > MAX(salary);

1. SELECT dept\_id, job\_cat, MAX(salary) FROM employees

GROUP BY dept\_id, job\_cat;

1. SELECT dept\_id, job\_cat, MAX(salary) FROM employees;
2. SELECT dept\_id, job\_cat, MAX(salary) FROM employees

GROUP BY dept\_id;

1. SELECT dept\_id, job\_cat, MAX(salary) FROM employees

GROUP BY dept\_id, job\_cat, salary;

**Question: 3**

You would like to display the system date in the format "Monday, 01 June, 2001".

Which SELECT statement should you use?

1. SELECT TO\_DATE(SYSDATE, 'FMDAY, DD Month, YYYY') FROM dual;
2. SELECT TO\_CHAR(SYSDATE, 'FMDD, DY Month, 'YYY') FROM dual;
3. SELECT TO\_CHAR(SYSDATE, 'FMDay, DD Month, YYYY') FROM dual;
4. SELECT TO\_CHAR(SYSDATE, 'FMDY, DDD Month, YYYY')

FROM dual;

1. SELECT TO\_DATE(SYSDATE, 'FMDY, DDD Month, YYYY') FROM dual;

**Question: 4**

Examine the description of the EMPLOYEES table:

|  |  |  |
| --- | --- | --- |
| EMP\_ID | NUMBER(4) | NOT NULL |
| LAST\_NAME | VARCHAR2(30) | NOT NULL |
|  |  |  |
| FIRST\_NAME | VARCHAR2(30). |  |
| DEPT\_ID | NUMBER(2) |  |
| JOB\_CAT | VARCHAR2(30) |  |
| SALARY | NUMBER(8,2) |  |

Which statement shows the department ID, minimum salary, and maximum salary paid in that department, only of the minimum salary is less then 5000 and the maximum salary is more than 15000?

1. SELECT dept\_id, MIN(salary(, MAX(salary) FROM employees

WHERE MIN(salary) < 5000 AND MAX(salary) > 15000;

1. SELECT dept\_id, MIN(salary), MAX(salary) FROM employees

WHERE MIN(salary) < 5000 AND MAX(salary) > 15000 GROUP BY dept\_id;

1. SELECT dept\_id, MIN(salary), MAX(salary) FROM employees

HAVING MIN(salary) < 5000 AND MAX(salary) > 15000;

1. SELECT dept\_id, MIN(salary), MAX(salary) FROM employees

GROUP BY dept\_id

HAVING MIN(salary) < 5000 AND MAX(salary) > 15000;

1. SELECT dept\_id, MIN(salary), MAX(salary) FROM employees

GROUP BY dept\_id, salary

HAVING MIN(salary) < 5000 AND MAX(salary) > 15000;

**Question: 5**

Which clause should you use to exclude group results?

1. WHERE
2. HAVING
3. RESTRICT
4. GROUP BY
5. ORDER BY

**Question: 6**

In a SELECT statement that includes a WHERE clause, where is the GROUP BY clause placed in the SELECT statement?

A. Immediately after the SELECT clause

B. Before the WHERE clause

C. Before the FROM clause

D. After the ORDER BY clause

E. After the WHERE clause

**Question: 7**

You need to calculate the total of all salaries in the accounting department. Which group function should you use?

1. MAX
2. MIN
3. SUM
4. COUNT
5. TOTAL
6. LARGEST

**Question: 8**

Evaluate this SQL statement:

SELECT e.employee\_id, (.15\* e.salary) + (.5 \* e.commission\_pct)

(s.sales amount \* (.35 \* e.bonus)) AS CALC\_VALUE FROM employees e, sales s

WHERE e.employee\_id = s.emp\_id;

What will happen if you remove all the parentheses from the calculation?

A. The value displayed in the CALC\_VALUE column will be lower.

B. The value displayed in the CALC\_VALUE column will be higher.

C. There will be no difference in the value displayed in the CALC\_VALUE column.

D. An error will be reported.

**Question: 9**

A subquery can be used to \_\_\_\_\_\_\_\_\_.

A. Create groups of data.

B. Sort data in a specific order

C. Convert data to a different format

D. Retrieve data based on an unknown condition

**Question: 10**

Which operator can be used with a multiple-row subquery?

1. =
2. LIKE
3. BETWEEN
4. NOT IN
5. IS
6. <>

**Question: 11**

What does the TRUNCATE statement do?

A. Removes the table

B. Removes all rows from a table

C. Shortens the table to 10 rows

D. Removes all columns from a table

E. Removes foreign keys from a table

**Question: 12**

Which are DML statements? (Choose all that apply)

1. a. COMMIT…
2. b. MERGE…
3. c. UPDATE…
4. d. DELETE…
5. e. CREATE…
6. f. DROP…

**Question: 13**

The EMPLOYEES table contains these columns:

EMPLOYEE\_ID NUMBER(4)

ENAME VARCHAR2 (25)

JOB\_ID VARCHAR2(10)

Which SQL statement will return the ENAME, length of the ENAME, and the numeric position of the letter "a" in the ENAME column, for those employees whose ENAME ends with a the letter "n"?

A. SELECT ENAME, LENGTH(ENAME), INSTR(ENAME, 'a') FROM EMPLOYEES

WHERE SUBSTR(ENAME, -1, 1) = 'n';

B. SELECT ENAME, LENGTH(ENAME), INSTR(ENAME, ,-1,1) FROM EMPLOYEES WHERE SUBSTR(ENAME, -1, 1) = 'n';

C. SELECT ENAME, LENGTH(ENAME), SUBSTR(ENAME, -1,1) FROM EMPLOYEES WHERE INSTR(ENAME, 1, 1) = 'n';

D. SELECT ENAME, LENGTH(ENAME), SUBSTR(ENAME, -1,1) FROM EMPLOYEES WHERE INSTR(ENAME, -1, 1) = 'n';

**Question: 14**

Evaluate the SQL statement:

TRUNCATE TABLE DEPT;

Which three are true about the SQL statement? (Choose three.)

A. It releases the storage space used by the table.

B. It does not release the storage space used by the table.

C. You can roll back the deletion of rows after the statement executes.

D. You can NOT roll back the deletion of rows after the statement executes.

E. An attempt to use DESCRIBE on the DEPT table after the TRUNCATE statement executes will display an error.

F. You must be the owner of the table or have DELETE ANY TABLE system privileges to truncate the DEPT table

**Question: 15**

Which two statements are true about constraints? (Choose two.)

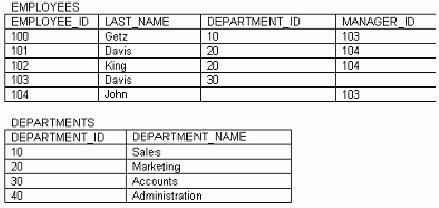
A. The UNIQUE constraint does not permit a null value for the column.

B. A UNIQUE index gets created for columns with PRIMARY KEY and UNIQUE constraints.

C. The PRIMARY KEY and FOREIGN KEY constraints create a UNIQUE index.

D. The NOT NULL constraint ensures that null values are not permitted for the column.

**Question: 16**

Exhibit:

Examine the data in the EMPLOYEES and DEPARTMENTS tables.

You want to retrieve all employees’ last names, along with their manager’s last names and their department names. Which query would you use?

1. A. SELECT last\_name, manager\_id, department\_name FROM employees e

FULL OUTER JOIN departments d ON (e.department\_id = d.department\_id);

1. B. SELECT e.last\_name, m.last\_name, department\_name FROM employees e

LEFT OUTER JOIN employees m on ( e.managaer\_id = m.employee\_id) LEFT OUTER JOIN departments d ON (e.department\_id = d.department\_id);

1. C. SELECT e.last\_name, m.last\_name, department\_name FROM employees e

RIGT OUTER JOIN employees m on ( e.manager\_id = m.employee\_id) LEFT OUTER JOIN departments d ON (e.department\_id = d.department\_id);

1. D. SELECT e.last\_name, m.last\_name, department\_name FROM employees e

LEFT OUTER JOIN employees m on ( e.manager\_id = m.employee\_id) RIGT OUTER JOIN departments d ON (e.department\_id = d.department\_id);

1. E. SELECT e.last\_name, m.last\_name, department\_name FROM employees e

RIGHT OUTER JOIN employees m on ( e.manager\_id = m.employee\_id) RIGHT OUTER JOIN departments d ON (e.department\_id = d.department\_id)

1. F. SELECT last\_name, manager\_id, department\_name FROM employees e

JOIN departments d ON (e.department\_id = d.department\_id) ;

**Question: 17**

Which of the following queries can you use to search for employees with the pattern ‘A\_B’ in their

names?

1. SELECT last\_name FROM employees WHERE last\_name LIKE ‘%A\\_B%’ ESCAPE ‘\\’;
2. SELECT last\_name FROM employees WHERE last\_name LIKE ‘%A\_B%’ ESCAPE;
3. SELECT last\_name FROM employees WHERE last\_name LIKE ‘A\_B%’ ESCAPE ‘%’;
4. SELECT last\_name FROM employees WHERE last\_name LIKE ‘%A\\_B%’ ESCAPE ‘\’;

**Question: 18**

For which task would you use the WHERE clause in a SELECT statement?

1. A. to designate the ORDER table location
2. B. to compare PRODUCT\_ID values to 7382
3. C. to display only unique PRODUCT\_ID values
4. D. to restrict the rows returned by a GROUP BY clause