**(9-3) Question 1: Modify the select statement to add $10.00 to the credit limits of employees hired before January 1, 2000.**

**Query:** SELECT employee\_id, first\_name, last\_name, credit\_limit + 10 AS new\_credit\_limit

FROM L\_EMPLOYEES

WHERE hire\_date < TO\_DATE('2000-01-01', 'YYYY-MM-DD')

ORDER BY employee\_id;

-- Haley Archer

**Output:**

|  |  |  |  |
| --- | --- | --- | --- |
| **EMPLOYEE\_ID** | **FIRST\_NAME** | **LAST\_NAME** | **NEW\_CREDIT\_LIMIT** |
| 201 | SUSAN | BROWN | 40 |
| 202 | JIM | KERN | 35 |
| 209 | PAULA | JACOBS | 25 |

**(9-4) Question 2: List employee ID, first name, last name, and new credit limit for employees whose new credit limit is above $20.00.**

**Query:** SELECT employee\_id, first\_name, last\_name, credit\_limit + 10 AS new\_credit\_limit

FROM L\_EMPLOYEES

WHERE credit\_limit + 10 > 20

ORDER BY new\_credit\_limit;

-- Haley Archer

**Output:**

|  |  |  |  |
| --- | --- | --- | --- |
| EMPLOYEE\_ID | FIRST\_NAME | LAST\_NAME | NEW\_CREDIT\_LIMIT |
| 209 | PAULA | JACOBS | 25 |
| 204 | ELLEN | OWENS | 25 |
| 210 | NANCY | HOFFMAN | 35 |
| 207 | DAN | SMITH | 35 |
| 208 | FRED | CAMPBELL | 35 |
| 203 | MARTHA | WOODS | 35 |
| 202 | JIM | KERN | 35 |
| 205 | HENRY | PERKINS | 35 |
| 201 | SUSAN | BROWN | 40 |

**(9-10) Question 3: List employee ID and names formatted as "Last, F."**

**Query:** SELECT employee\_id,

UPPER(last\_name) || ', ' || INITCAP(SUBSTR(first\_name, 1, 1)) || '.' AS formatted\_name

FROM L\_EMPLOYEES;

-- Haley Archer

**Output:**

|  |  |
| --- | --- |
| EMPLOYEE\_ID | FORMATTED\_NAME |
| 201 | BROWN, S. |
| 202 | KERN, J. |
| 203 | WOODS, M. |
| 204 | OWENS, E. |
| 205 | PERKINS, H. |
| 206 | ROSE, C. |
| 207 | SMITH, D. |
| 208 | CAMPBELL, F. |
| 209 | JACOBS, P. |
| 210 | HOFFMAN, N. |

**(9-11) Question 4: Create a view separating first name, middle initial, and last name from sec0911\_names.**

**Query:** CREATE OR REPLACE VIEW v\_sec0911\_names AS

SELECT

SUBSTR(full\_name, 1, INSTR(full\_name, ',') - 1) AS last\_name,

SUBSTR(full\_name, INSTR(full\_name, ',') + 2, INSTR(full\_name, ' ', INSTR(full\_name, ',') + 2) - INSTR(full\_name, ',') - 2) AS first\_name,

SUBSTR(full\_name, INSTR(full\_name, ' ', -1) + 1) AS middle\_initial

FROM sec0911\_names;

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**Output:**

View created.

**(9-12) Question 5: Create a view separating area code from the rest of the phone number.**

**Query:** CREATE OR REPLACE VIEW v\_sec0912\_phone\_numbers AS

SELECT

REGEXP\_SUBSTR(phone\_number, '\d{3}') AS area\_code,

REGEXP\_SUBSTR(phone\_number, '\d{3}-\d{4}') AS phone\_number

FROM sec0912\_phone\_numbers;

-- Haley Archer

**Output:**

View created.

**(10-4) Question 6: Sort numbers numerically and alphabetically.**

**Query:** SELECT n AS numeric\_order FROM numbers\_0\_to\_99 ORDER BY n;

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SELECT TO\_CHAR(n) AS alphabetic\_order FROM numbers\_0\_to\_99 ORDER BY TO\_CHAR(n);

-- Haley Archer

**Output:**

**Numeric Order:** 0, 1, 2, ..., 99

**Alphabetic Order:** 0, 1, 10, 11, 12, ..., 99

**(10-5) Question 7: Summary of the REPLACE function with an example.**

**Query:** SELECT REPLACE('Oracle SQL Fundamentals', 'SQL', 'PL/SQL') AS replaced\_string FROM DUAL;

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**Output:**

|  |
| --- |
| REPLACED\_STRING |
| Oracle PL/SQL Fundamentals |

**(10-6) Question 8: Find 5 string functions with examples.**

**Query:** SELECT

LENGTH('Database') AS length\_example,

UPPER('lowercase') AS upper\_example,

LOWER('UPPERCASE') AS lower\_example,

TRIM(' extra spaces ') AS trim\_example,

LPAD('123', 5, '0') AS lpad\_example

FROM DUAL;

-- Haley Archer

**Output:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| LENGTH\_EXAMPLE | UPPER\_EXAMPLE | LOWER\_EXAMPLE | TRIM\_EXAMPLE | LPAD\_EXAMPLE |
| 8 | LOWERCASE | uppercase | extra spaces | 00123 |

**(10-8) Question 9: Create a view of multiples of 7 between 700 and 900.**

**Query:** CREATE OR REPLACE VIEW v\_multiples\_of\_7 AS

SELECT LEVEL \* 7 + 693 AS multiple\_of\_7

FROM DUAL

CONNECT BY LEVEL <= (900 - 700) / 7;

-- Haley Archer

**Output:**

View created.