**1. Employees who do not report to employee 203 (Martha Woods)**

Statement processed. 0.01 seconds  
SELECT employee\_id, first\_name, last\_name, manager\_id   
FROM L\_EMPLOYEES   
WHERE manager\_id <> 203 OR manager\_id IS NULL

|  |  |  |  |
| --- | --- | --- | --- |
| **EMPLOYEE\_ID** | **FIRST\_NAME** | **LAST\_NAME** | **MANAGER\_ID** |
| 201 | SUSAN | BROWN | - |
| 202 | JIM | KERN | 201 |
| 203 | MARTHA | WOODS | 201 |
| 204 | ELLEN | OWENS | 202 |
| 205 | HENRY | PERKINS | 202 |
| 206 | CAROL | ROSE | - |
| 209 | PAULA | JACOBS | 201 |

**2. Employees meeting multiple conditions**

Statement processed. 0.00 seconds  
SELECT employee\_id, first\_name, last\_name, manager\_id   
FROM L\_EMPLOYEES   
WHERE dept\_code NOT IN ('ACT', 'MKT')   
AND last\_name NOT BETWEEN 'J' AND 'M'   
AND last\_name NOT LIKE '%S'   
AND manager\_id IS NOT NULL

|  |  |  |  |
| --- | --- | --- | --- |
| **EMPLOYEE\_ID** | **FIRST\_NAME** | **LAST\_NAME** | **MANAGER\_ID** |
| 207 | DAN | SMITH | 203 |
| 208 | FRED | CAMPBELL | 203 |
| 210 | NANCY | HOFFMAN | 203 |

**3. Employees 203, 204, 205 in the Sales department**  
Statement processed. 0.00 seconds  
SELECT employee\_id, first\_name, last\_name, dept\_code   
FROM L\_EMPLOYEES   
WHERE employee\_id IN (203, 204, 205)   
AND dept\_code = 'SAL'

|  |  |  |  |
| --- | --- | --- | --- |
| **EMPLOYEE\_ID** | **FIRST\_NAME** | **LAST\_NAME** | **DEPT\_CODE** |
| 204 | ELLEN | OWENS | SAL |
| 205 | HENRY | PERKINS | SAL |

**4. Hardcoded values in SELECT clause**

Statement processed. 0.01 seconds  
SELECT   
 'Sample Text' AS text\_value,   
 12345 AS numeric\_value,   
 TO\_DATE('2024-02-09', 'YYYY-MM-DD') AS date\_value,   
 NULL AS null\_value   
FROM dual

|  |  |  |  |
| --- | --- | --- | --- |
| **TEXT\_VALUE** | **NUMERIC\_VALUE** | **DATE\_VALUE** | **NULL\_VALUE** |
| Sample Text | 12345 | 2/9/2024 | - |

**5. Using a table of constants**  
Statement processed. 0.01 seconds  
WITH constants AS (   
 SELECT   
 'Sample Text' AS text\_value,   
 12345 AS numeric\_value,   
 TO\_DATE('2024-02-09', 'YYYY-MM-DD') AS date\_value,   
 NULL AS null\_value   
 FROM dual   
)   
SELECT \* FROM constants

|  |  |  |  |
| --- | --- | --- | --- |
| **TEXT\_VALUE** | **NUMERIC\_VALUE** | **DATE\_VALUE** | **NULL\_VALUE** |
| Sample Text | 12345 | 2/9/2024 | - |

**6. Searching for last name 'Brown' (case-sensitive issue)**  
Statement processed. 0.00 seconds  
SELECT employee\_id, first\_name, last\_name   
FROM L\_EMPLOYEES   
WHERE last\_name = 'Brown'

no data found

**7. Fixing 'Brown' search without using functions**  
Statement processed. 0.00 seconds  
SELECT employee\_id, first\_name, last\_name   
FROM L\_EMPLOYEES   
WHERE last\_name = 'BROWN'

|  |  |  |
| --- | --- | --- |
| **EMPLOYEE\_ID** | **FIRST\_NAME** | **LAST\_NAME** |
| 201 | SUSAN | BROWN |

**8. Fixing 'Brown' search using UPPER() function**  
Statement processed. 0.00 seconds  
SELECT employee\_id, first\_name, last\_name   
FROM L\_EMPLOYEES   
WHERE UPPER(last\_name) = 'BROWN'

|  |  |  |
| --- | --- | --- |
| **EMPLOYEE\_ID** | **FIRST\_NAME** | **LAST\_NAME** |
| 201 | SUSAN | BROWN |

**9. Logical condition on price increases**

Statement processed. 0.00 seconds  
SELECT SUPPLIER\_ID, MENU\_ITEM, PRICE\_INCREASE,   
 CASE   
 WHEN PRICE\_INCREASE > 0.20 THEN 'TRUE'   
 WHEN PRICE\_INCREASE <= 0.20 THEN 'FALSE'   
 ELSE 'UNKNOWN'   
 END AS PRICE\_STATUS   
FROM L\_FOODS

|  |  |  |  |
| --- | --- | --- | --- |
| **SUPPLIER\_ID** | **MENU\_ITEM** | **PRICE\_INCREASE** | **PRICE\_STATUS** |
| ASP | 1 | .25 | TRUE |
| ASP | 2 | - | UNKNOWN |
| ASP | 3 | .4 | TRUE |
| CBC | 4 | .7 | TRUE |
| CBC | 5 | .3 | TRUE |
| FRV | 6 | .05 | FALSE |
| FRV | 7 | - | UNKNOWN |
| JBR | 8 | .25 | TRUE |
| JBR | 9 | .15 | FALSE |
| VSB | 10 | .5 | TRUE |

**10. Error from misplaced comma**

Statement processed. 0.00 seconds  
SELECT first\_name,   
 last\_name,   
FROM L\_EMPLOYEES

Error at line 3/1: ORA-00936: missing expression