* **Question 1**

Needs Grading

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | Display the (1) employee\_id,(2) Last name, First name (as one name with a comma between) and call the column Empoyee Name, (3) salary  Only show employees earning in the range of $9000 to $10,000.  You cannot use >= or similar signs Sort the output by top salaries first and then by last name. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | SELECT   employee\_id,           last\_name || q'[,]' || first\_name AS "Employee Name",           salary  FROM  employees  WHERE   salary BETWEEN 9000 AND 10000  ORDER BY salary DESC, last\_name;  EMPLOYEE\_ID Employee Name                                      SALARY  ----------- ---------------------------------------------- ----------            6 Harvey,Henry                                        10000           22 Litrand,Jane                                        10000           28 Young,Malcom                                        10000            9 Gruber,Kurt                                          9000          103 Hunold,Alexander                                     9000           19 Strandherst,Sally                                    9000  6 rows selected. | | Correct Answer: | Correct  EMPLOYEE\_ID Employee Name                                       SALARY  ----------- ----------------------------------------------- ----------            6 Harvey, Henry                                        10000           22 Litrand, Jane                                        10000           28 Young, Malcom                                        10000            9 Gruber, Kurt                                          9000          103 Hunold, Alexander                                     9000           19 Strandherst, Sally                                    9000     6 rows selected  **SELECT      employee\_id ,      last\_name||', '||first\_name AS "Employee Name",  salary      FROM employees      WHERE salary between 9000 AND 10000 ORDER BY salary DESC, last\_name; -- makes it more readable** | | Response Feedback: | [None Given] | |  |  |  |

* **Question 2**

Needs Grading

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|  |  | | | |
|  | -- Modify previous query (#1) so that additional condition is to display only  -- if they work as Programmers(IT\_PROG) or Sales Representatives (SA\_REP).  -- Use same sorting as before. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | SELECT   employee\_id,           last\_name || q'[,]' || first\_name AS "Employee Name",           salary  FROM  employees  WHERE   salary BETWEEN 9000 AND 10000  AND      job\_id IN ('IT\_PROG', 'SA\_REP')  ORDER BY salary DESC, last\_name;  EMPLOYEE\_ID Employee Name                                      SALARY  ----------- ---------------------------------------------- ----------            6 Harvey,Henry                                        10000           22 Litrand,Jane                                        10000           28 Young,Malcom                                        10000            9 Gruber,Kurt                                          9000          103 Hunold,Alexander                                     9000           19 Strandherst,Sally                                    9000  6 rows selected. | | Correct Answer: | Correct  This is not the same code as you will have, but similar  SELECT      employee\_id AS "Emp ID",      last\_name AS "Last Name",      salary AS "Salary",     job\_id AS "Job ID"     FROM employees     WHERE          (salary >= 9000 AND salary <= 10000)  .... range may vary by semester         AND      **(job\_id LIKE 'SA\_REP' OR job\_ID LIKE 'IT\_PROG')**     ORDER BY salary DESC, last\_name; | | Response Feedback: | [None Given] | |  |  |  |

* **Question 3**

Needs Grading

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| --- | --- | --- | --- | --- |
|  |  | | | |
|  | -- The Human Resources department wants to find higher salaries and lower salaries than reported in the previous questions. Use columns, employee id, last name, salary and job\_id only. Do not give alias headings. You are modifying a previous query so that it displays the same job titles but for people who earn outside the given salary range from question.  Use same sorting as before. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | SELECT   employee\_id, last\_name, salary, job\_id  FROM  employees  WHERE   salary NOT BETWEEN 9000 AND 10000  AND      job\_id IN ('IT\_PROG', 'SA\_REP')  ORDER BY salary DESC, last\_name;  EMPLOYEE\_ID LAST\_NAME                     SALARY JOB\_ID  ----------- ------------------------- ---------- ----------           12 Chancevente                    12000 SA\_REP          174 Abel                           11000 SA\_REP           23 Armarillo                      11000 SA\_REP           21 Brigade                        11000 SA\_REP           30 Chan                           11000 SA\_REP           15 Cornel                         11000 SA\_REP            1 Flertjan                       11000 SA\_REP           16 Gibbons                        11000 SA\_REP           34 Gregson                        11000 SA\_REP            3 Grovlin                        11000 SA\_REP           18 Jacobs                         11000 SA\_REP               35 Krain                          11000 SA\_REP           26 LeBlanc                        11000 SA\_REP           29 Loo Nam                        11000 SA\_REP           41 Montoya                        11000 SA\_REP           24 Mot                            11000 SA\_REP            5 Mustaine                       11000 SA\_REP           17 Pallomine                      11000 SA\_REP           27 Rodriguez                      11000 SA\_REP           11 Sanchez                        11000 SA\_REP            4 Smertal                        11000 SA\_REP           36 Termede                        11000 SA\_REP           39 Testorok                       11000 SA\_REP           14 Torson                         11000 SA\_REP           25 Turcotte                       11000 SA\_REP           33 Wandiko                        11000 SA\_REP           40 Whiteduck                      11000 SA\_REP          176 Taylor                          8600 SA\_REP            8 Bergsteige                      8000 SA\_REP          178 Grants                          7000 SA\_REP            7 LeDuc                           7000 SA\_REP          180 de Man                          7000 SA\_REP          104 Ernst                           6000 IT\_PROG          107 Lorentz                         4200 IT\_PROG  34 rows selected. | | Correct Answer: | Correct  SELECT      employee\_id,  last\_name , salary      job\_id AS "Job ID"     FROM employees     WHERE  (salary**< 9000 OR salary >** 10000)   <== outside the range (may be different values      AND       (job\_id LIKE 'SA\_REP' OR job\_ID LIKE 'IT\_PROG')     ORDER BY salary DESC, last\_name;  EMPLOYEE\_ID LAST\_NAME                     JOB\_ID  ----------- ------------------------- ----------           12 Chancevente                    12000          174 Abel                           11000           23 Armarillo                      11000           21 Brigade                        11000           30 Chan                           11000           15 Cornel                         11000            1 Flertjan                       11000  **34 rows** | | Response Feedback: | [None Given] | |  |  |  |

* **Question 4**

Needs Grading

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|  |  | | | |
|  | DO NOT WRITE CODE LIKE THIS  SELECT last\_name AS "Last Name", salary AS "Salary", job\_id AS "Job Title", hire\_date as "Started" FROM employees WHERE (hire\_date < DATE '1998-01-01') ORDER BY hire\_date DESC;  The following is better SELECT      last\_name AS "Last Name",      salary AS "Salary",     job\_id AS "Job Title",     hire\_date as "Started"     FROM employees     WHERE          (hire\_date < DATE '1998-01-01')     ORDER BY hire\_date DESC;  **Another example is (there are no titles changed in this example**  SELECT last\_name, salary, job\_id, hire\_date  FROM employees WHERE  (hire\_date < DATE '1998-01-01') ORDER BY hire\_date DESC; |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Okay. | | Correct Answer: | Correct  SELECT      last\_name AS "Last Name",    --- column titles not needed     salary AS "Salary",     job\_id AS "Job Title",     hire\_date as "Started"     FROM employees     WHERE          (hire\_date < DATE '1998-01-01')     ORDER BY hire\_date DESC; | | Response Feedback: | [None Given] | |  |  |  |

* **Question 5**

Needs Grading

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|  |  | | | |
|  | Display the job titles and full names of employees whose first name contains an ‘e’ or ‘E’  anywhere, and also contains an 'a' or a 'g'. The output should look like: Job Title  Full Name                                     ---------- ---------------------------------------------- SA\_REP     Miguel Sanchez |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | SELECT    job\_id AS "Job Title",            first\_name ||' '|| last\_name AS "FULL NAME"  FROM      employees  WHERE     (first\_name LIKE '%E%' OR first\_name LIKE '%e%')  AND       (first\_name LIKE '%a%' OR first\_name LIKE '%g%')    Job Title  FULL NAME  ---------- ----------------------------------------------  AD\_VP      Neena Kochhar  IT\_PROG    Alexander Hunold  MK\_MAN     Michael Hartstein  SA\_REP     Dave Mustaine  SA\_REP     Miguel Sanchez  SA\_REP     Greg Torson  SA\_REP     Jane Litrand  SA\_REP     Francoise LeBlanc  SA\_REP     Charles Loo Nam  SA\_REP     Kaley Gregson  SA\_REP     Marthe Whiteduck                                ST\_CLERK   Trenna Rajs  12 rows selected. | | Correct Answer: | Correct    SELECT Job\_id, First\_Name || ' ' || Last\_Name AS "Full Name"  FROM employees  WHERE (First\_Name LIKE '%e%'  OR first\_name LIKE '%E%')  AND (First\_Name LIKE '%g%' OR first\_name LIKE '%a%');  JOB\_ID     Full Name  ---------- ----------------------------------------------  AD\_VP      Neena Kochhar  IT\_PROG    Alexander Hunold  MK\_MAN     Michael Hartstein  SA\_REP     Dave Mustaine  SA\_REP     Miguel Sanchez  SA\_REP     Greg Torson  SA\_REP     Jane Litrand  SA\_REP     Francoise LeBlanc  SA\_REP     Charles Loo Nam  SA\_REP     Kaley Gregson  SA\_REP     Marthe Whiteduck  ST\_CLERK   Trenna Rajs     12 rows selected | | Response Feedback: | [None Given] | |  |  |  |

* **Question 6**

Needs Grading

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| --- | --- | --- | --- | --- |
|  |  | | | |
|  | Do not change the column titles. Create a report to display last name, salary, and commission percent for all employees that earn a commission and employee number greater than 100. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | SELECT      last\_name, salary, commission\_pct  FROM        employees  WHERE       commission\_pct IS NOT NULL  AND         employee\_id > 100;  LAST\_NAME                     SALARY COMMISSION\_PCT  ------------------------- ---------- --------------  Zlotkey                        10500             .2  Abel                           11000             .3  Taylor                          8600             .2  Grants                          7000            .15  de Man                          7000            .15 | | Correct Answer: | Correct  SELECT      last\_name as "Last Name",     salary as "Salary",     commission\_pct as "Commission Percent"     FROM employees     WHERE commission\_pct IS NOT NULL     AND employee\_id > 100;  Last Name                     Salary Commission Percent ------------------------- ---------- ------------------ Zlotkey                        10500                0.2  Abel                           11000                0.3  Taylor                          8600                0.2  Grants                          7000               0.15  de Man                          7000               0.15 | | Response Feedback: | [None Given] | |  |  |  |

* **Question 7**

Needs Grading

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|  |  | | | |
|  | Do the same as previous question, but use a numeric value instead of a column name to put the report in order by salary from highest to lowest |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | SELECT      last\_name, salary, commission\_pct  FROM        employees  WHERE       commission\_pct IS NOT NULL  AND         employee\_id > 100  ORDER By    2 DESC;;  LAST\_NAME                     SALARY COMMISSION\_PCT  ------------------------- ---------- --------------  Abel                           11000             .3  Zlotkey                        10500             .2  Taylor                          8600             .2  Grants                          7000            .15  de Man                          7000            .15 | | Correct Answer: | Correct  SELECT      last\_name as "Last Name",     salary as "Salary",     commission\_pct as "Commission Percent"     FROM employees     WHERE commission\_pct IS NOT NULL     AND employee\_id > 100     ORDER BY 2 DESC  Last Name                     Salary Commission Percent ------------------------- ---------- ------------------ Abel                           11000                0.3  Zlotkey                        10500                0.2  Taylor                          8600                0.2  Grants                          7000               0.15  de Man                          7000               0.15 | | Response Feedback: | [None Given] | |  |  |  |