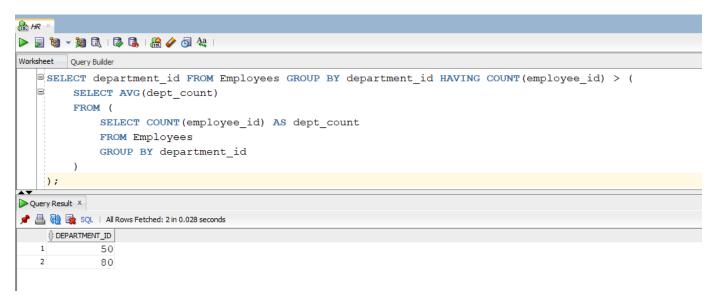
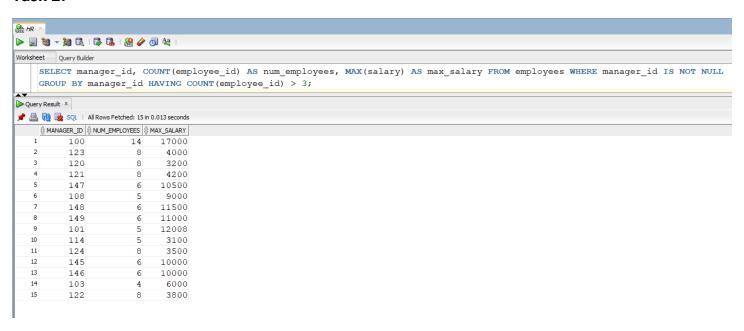
LAB 4 – HOMETASK

23K-0594

Task 1:



Task 2:



Task 3:

```
B HR ×
SELECT employee_id, first_name, last_name, salary FROM employees WHERE salary > ALL (
        SELECT salary
          FROM employees
          WHERE department_id = (
             SELECT department_id
              FROM departments
              WHERE department name = 'IT'
         )
     );
Query Result ×
 📌 🖺 🝓 🔯 SQL | All Rows Fetched: 23 in 0.031 seconds
     157 Patrick Sully
            163 Danielle Greene
                                       9500
           151 David Bernstein 9500
170 Tayler Fox 9600
            204 Hermann Baer
                                      10000
            169 Harrison Bloom
                                      10000
           156 Janette King
           150 Peter Tucker
                         Vishney 10500
           162 Clara
   10
           149 Eleni
           148 Gerald Cambrault 11000
   11
   12
                         Raphaely 11000
            114 Den
                       Abel
           174 Ellen
   14
            168 Lisa
                         Ozer
           147 Alberto Errazuriz 12000
   15
   16
            205 Shelley Higgins 12008
           108 Nancy Greenberg 12008
201 Michael Hartstein 13000
   17
   18
           146 Karen Partners 13500
145 John Russell 14000
   19

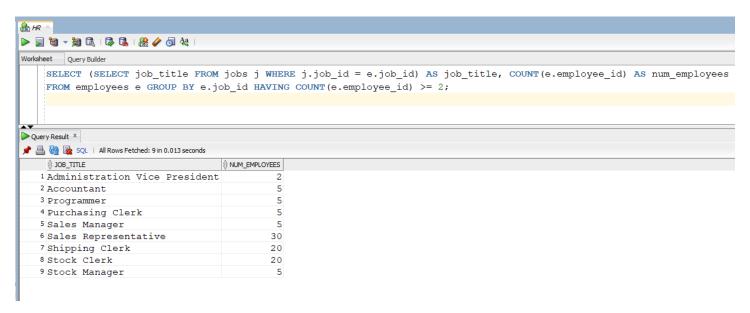
        102 Lex
        De Haan
        17000

        101 Neena
        Kochhar
        17000

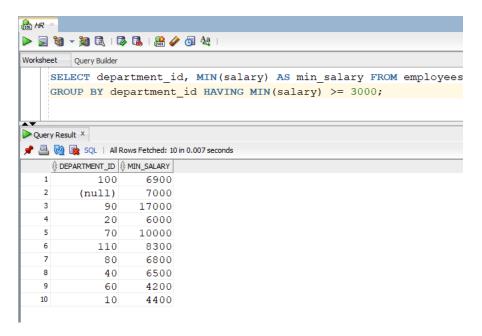
        100 Steven
        King
        24000

   21
   22
   23
```

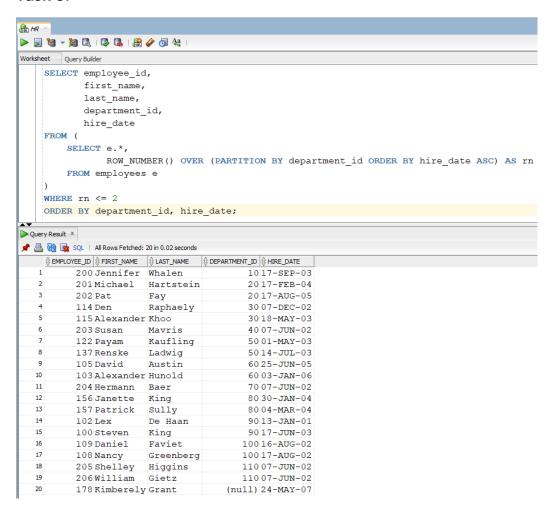
Task 4:



Task 5:



Task 6:



Task 7:

```
Worksheet Query Builder

UPDATE employees SET salary = salary * 1.10

WHERE salary < (
SELECT salary
FROM employees
WHERE employee_id = 200
);

Query Result × Script Output ×

P Q = Script Output ×

Task completed in 0.107 seconds

46 rows updated.
```

Task 8:

```
Worksheet Query Builder

Worksheet Query Builder

INSERT INTO employees_bkp SELECT * FROM employees e
WHERE salary = (
SELECT MAX (salary)
FROM employees
WHERE department_id = e.department_id
);

Query Result * Script Output *

Query Result * Script Output *

Task completed in 0.08 seconds

46 rows updated.
```

Task 9:

```
Worksheet Query Builder
   SELECT e.employee_id,
           e.first_name,
           e.last name,
           e.department_id,
           e.salary FROM employees e
    WHERE EXISTS (
        SELECT 1
        FROM employees x
        WHERE x.salary = e.salary
          AND x.department_id <> e.department_id
    );
 Script Output × Query Result ×
📌 🚇 🙀 🔯 SQL | All Rows Fetched: 47 in 0.011 seconds
    158 Allan
                         McEwen
                                           80 9000
                                           80 9000
          152 Peter
                        Hall
          109 Daniel
                         Faviet
                        Fay
Sarchand
          202 Pat
                                           20 6000
          184 Nandita
                                           50 4620
         205 Shelley
                         Higgins
                                          110 12008
          103 Alexander
                        Hunold
                                           60 9000
         121 Adam
                         Fripp
                                           50 8200
          174 Ellen
                        Abel
                                           80 11000
  10
          148 Gerald
                         Cambrault
                                           80 11000
                                           50 3410
50 3410
  11
         196 Alana
                        Walsh
  12
         181 Jean
                        Fleaur
  13
          142 Curtis
  14
          190 Timothy
                        Gates
                                           50
                                              3190
  15
          134 Michael
                        Rogers
                                           50
                                              3190
                                              3080
          195 Vance
                         Jones
  17
          183 Girard
                        Geoni
                                           50
                                              3080
  18
                                              3080
          130 Mozhe
                        Atkinson
                                           50
          199 Douglas
                         Grant
                                           50
                                              2860
                         OConnell
  20
          198 Donald
                                           50
                                              2860
  21
          143 Randall
                        Matos
                                           50
                                              2860
  22
                        Perkins
                                              2750
                                           50
          191 Randall
          182 Martha
                        Sullivan
                                           50
                                              2750
```

Task 10:

```
Worksheet Query Builder
    SELECT
        (SELECT department_name
         FROM departments d
         WHERE d.department_id = e.department_id) AS department_name,
        (SELECT first_name || ' ' || last_name
         FROM employees m
         WHERE m.employee_id = (
             SELECT manager_id
             FROM departments d
             WHERE d.department_id = e.department_id
    ) AS manager_name, COUNT(e.employee_id) AS total_employees FROM employees e GROUP BY e.department_id;
Script Output × Query Result ×
🖈 🚇 🙀 🗽 SQL | All Rows Fetched: 12 in 0.009 seconds

    ↑ TOTAL_EMPLOYEES

   1 Finance
                     Nancy Greenberg
   2 Purchasing
                     Den Raphaely
   3 (null)
                      (null)
   4 Executive
                     Steven King
   5 Marketing
                     Michael Hartstein
   6 Public Relations Hermann Baer
7 Accounting Shelley Higgins
                     Adam Fripp
John Russell
   8 Shipping
   9 Sales
                                                 34
  10 Human Resources Susan Mavris
                     Alexander Hunold
  12 Administration Jennifer Whalen
```