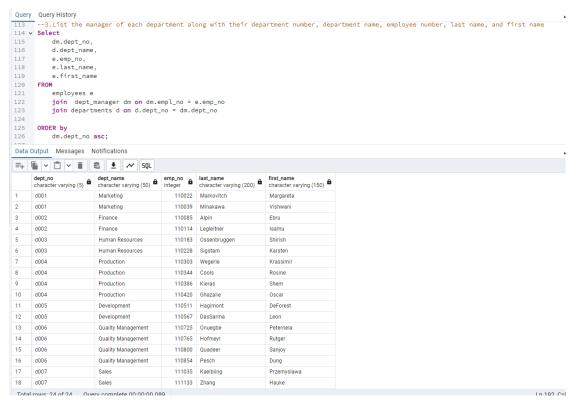
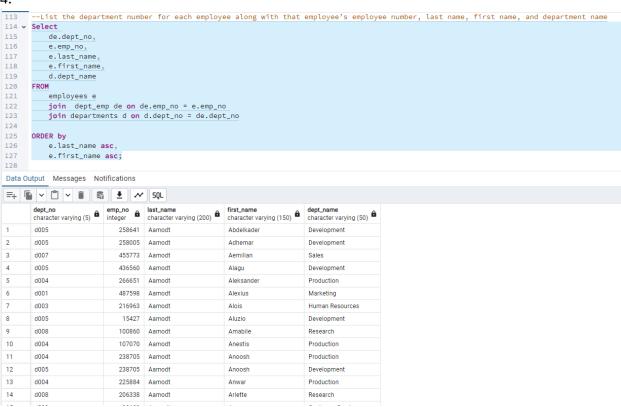
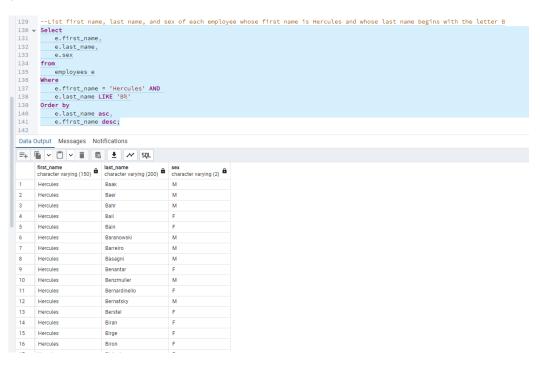
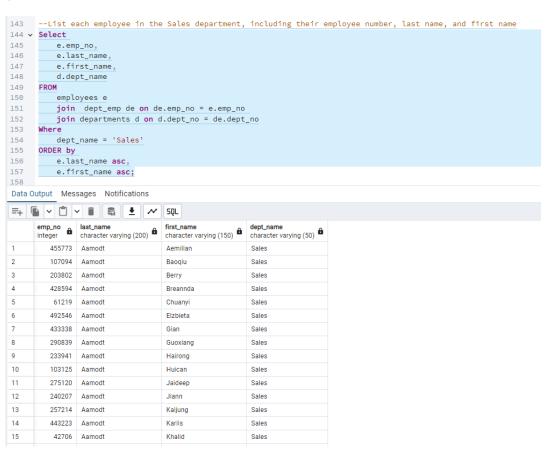
```
List the employee number, last name, first name, sex, and salary of each employee (2 points)
 86 v Select
 87
 88
                                 e.last_name,
                                 e.first_name,
 89
 91
                                 s.salary
 92
                     FROM
                                 employees e
  94
                                  join salaries s on e.emp_no = s.emp_no
 95
                     ORDER by
                      e.last_name asc,
                               s.salary desc;
Data Output Messages Notifications
=+ 🖺 ∨ 🖺 ∨ 🖹 🕹 🚜 SQL
                      emp_no integer and last_name character varying (200) and first_name character varying (150) and sex character varying (2) and salary character varying (200) and sal
                             292102 Aamodt
                                                                                                                      Hidefumi
                                                                                                                                                                                      м
                                                                                                                                                                                                                                                          101114
2
                                 67277 Aamodt
                                                                                                                       Teiji
                                                                                                                                                                                                                                                           100414
                                                                                                                      Elzbieta
                                                                                                                                                                                                                                                             93965
3
                               492546 Aamodt
                                422538 Aamodt
                                                                                                                      Matk
                                                                                                                                                                                      М
                                                                                                                                                                                                                                                             93473
                                105020 Aamodt
                                                                                                                      Mostafa
                                                                                                                                                                                                                                                             92903
5
                                 42199 Aamodt
                                                                                                                      Mats
                                                                                                                                                                                                                                                             90455
                               294575 Aamodt
                                                                                                                      Parke
                                                                                                                                                                                      М
                                                                                                                                                                                                                                                             89042
8
                                452757 Aamodt
                                                                                                                      Gaetan
                                                                                                                                                                                      М
                                                                                                                                                                                                                                                             88221
                               240207 Aamodt
                                                                                                                      Jiann
                                                                                                                                                                                                                                                             87834
10
                               280448 Aamodt
                                                                                                                       Theron
                                                                                                                                                                                      М
                                                                                                                                                                                                                                                             87465
                                                                                                                                                                                      М
11
                                428594 Aamodt
                                                                                                                      Breannda
                                                                                                                                                                                                                                                             87334
12
                                 99276 Aamodt
                                                                                                                      Takanari
                                                                                                                                                                                      М
                                                                                                                                                                                                                                                             85243
13
                                  36585 Aamodt
                                                                                                                       Menkae
                                                                                                                                                                                                                                                             84039
14
                               433338 Aamodt
                                                                                                                      Gian
                                                                                                                                                                                      М
                                                                                                                                                                                                                                                             81659
15
                                   19898 Aamodt
                                                                                                                       Vidar
                                                                                                                                                                                      М
                                                                                                                                                                                                                                                             81410
16
                                  59858 Aamodt
                                                                                                                       Tristan
                                                                                                                                                                                      М
                                                                                                                                                                                                                                                             79245
```

```
98
99
        -- List the first name, last name, and hire date for the employees who were hired in 1986
100
101 v Select
102
          e.first_name,
103
            e.last_name,
e.hire_date
 105
            employees e
106
 107
        Where
 108
            EXTRACT(YEAR FROM e.hire_date) = 1986
 109
        Order by
        e.last_name asc,
e.hire_date desc;
110
       --List the department number for each employee along with that employee's employee number. las
 113
 Data Output Messages Notifications
 =+ 🖺 ∨ 🖺 ∨ 🛢 😂 🛂 💉 SQL
       first_name character varying (150) a last_name character varying (200)
                                                  hire_date date
                                                   1986-12-25
       Basant
                             Aamodt
 2
        Huican
                             Aamodt
                                                   1986-12-12
 3
        Dietrich
                             Aamodt
                                                   1986-12-07
 4
                                                   1986-12-02
        Arvind
                             Aamodt
                                                   1986-11-20
 5
        Parke
                             Aamodt
                                                   1986-11-04
        Danco
                             Aamodt
                                                   1986-10-10
        Valeri
                                                   1986-07-28
                                                   1986-07-27
                             Aamodt
        Luise
 10
        Jaideep
                             Aamodt
                                                   1986-07-16
 11
                                                   1986-06-28
        Foong
                             Aamodt
 12
        Maik
                             Aamodt
                                                   1986-06-20
 13
                                                   1986-05-29
        Moto
                              Aamodt
 14
        Shmuel
                              Aamodt
                                                   1986-05-27
 15
                                                   1986-05-22
        Rajmohan
                              Aamodt
 16
        Fatemeh
                             Aamodt
                                                   1986-05-07
```









```
--List each employee in the Sales and Development departments, including their employee number, last name, first name, and department name
160 Select
161
        e.emp_no,
         e.last_name,
e.first_name,
162
163
164
         d.dept_name
165
     FROM
166
         employees e
167
         join dept_emp de on de.emp_no = e.emp_no
         join departments d on d.dept_no = de.dept_no
168
169
     Where
         d.dept_name IN ('Sales','Development')
170
     ORDER by
      e.last_name asc,
         e.first_name asc;
Data Output Messages Notifications
258641 Aamodt
                                 Abdelkader
                                                   Development
2
        258005 Aamodt
                                 Adhemar
                                                   Development
         455773 Aamodt
                                 Aemilian
                                                   Sales
         436560 Aamodt
5
         15427 Aamodt
                                 Aluzio
                                                   Development
         238705 Aamodt
                                 Anoosh
         107094 Aamodt
                                 Baoqiu
                                                   Sales
                                 Basant
                                                   Development
         411560 Aamodt
         203802 Aamodt
                                 Berry
                                                   Sales
10
         428594 Aamodt
                                 Breannda
                                                   Sales
11
         31701 Aamodt
12
         61219 Aamodt
                                 Chuanyi
                                                   Sales
13
         276101 Aamodt
                                 Deborah
                                                   Development
14
         293563 Aamodt
                                 Dietrich
                                                   Development
15
         53390 Aamodt
                                 Dmitry
                                                   Development
16
         257801 Aamodt
                                                   Development
```

```
\frac{174}{175} \frac{1}{2} --List the frequency counts, in descending order, of all the employee last names (that is, how many employees share each last name)
  176 v Select
       e.last_name,
            count(e.emp_no) as num_last_name
  178
  179
        from
           employees e
  181
        Group by
            e.last_name
  182
        Order by
  183
        num_last_name desc;
  184
  Data Output Messages Notifications
  ≒+ 🔓 ∨ 📋 ∨ 🝵 👼 👲 🚜 SQL
       last_name num_last_name bigint
       Baba
  2
                                    223
       Coora
  3
                                    223
  4
       Sudbeck
                                    222
  5
  6
       Adachi
                                    221
                                    220
       Osgood
  8
                                    218
                                    218
       Mandell
  10
  11
       Boudaillier
                                    217
  12
                                    217
        Wendorf
  13
       Mahnke
                                    216
  14
       Solares
                                    216
  15
                                    216
16
      Cummings
                                    216
```