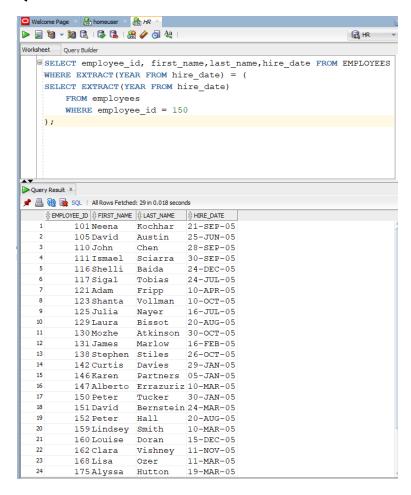
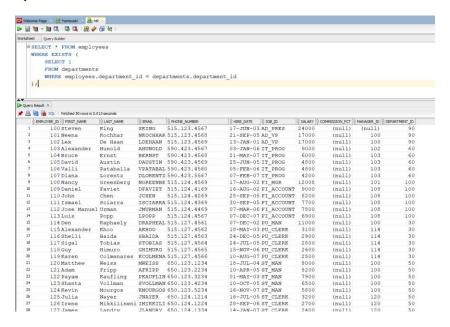
DB LAB 1 – HOMETASKS

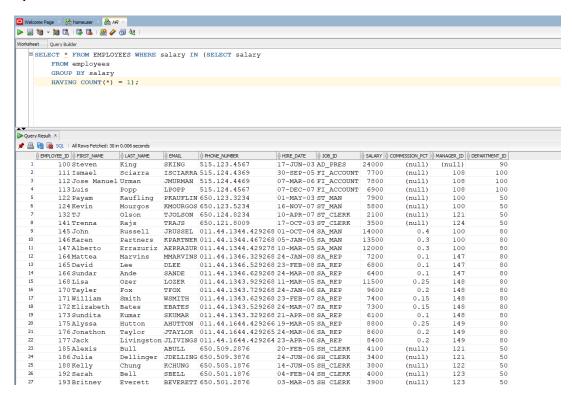
23K-0594

Q1.

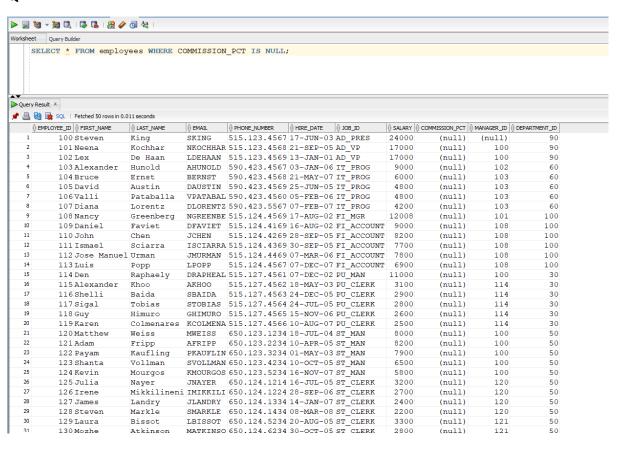


Q2.

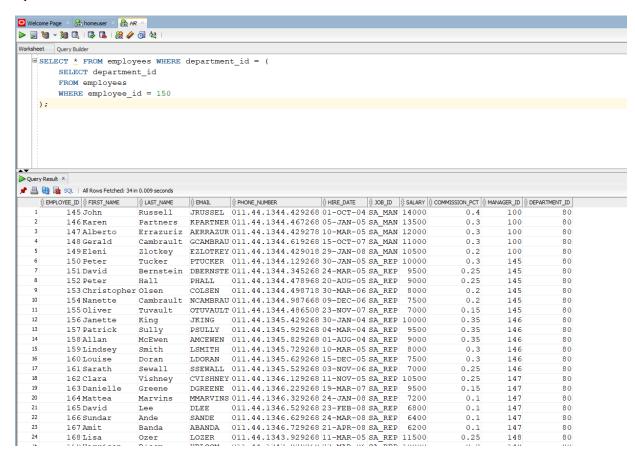




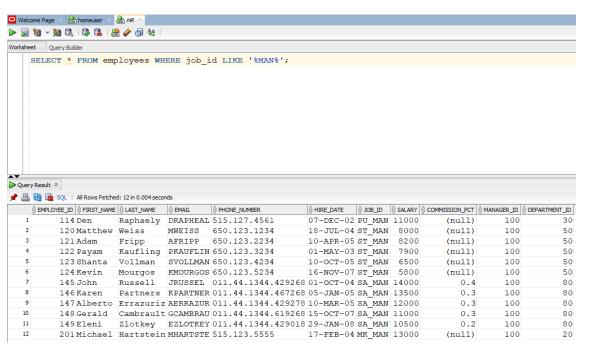
Q4.



Q5.



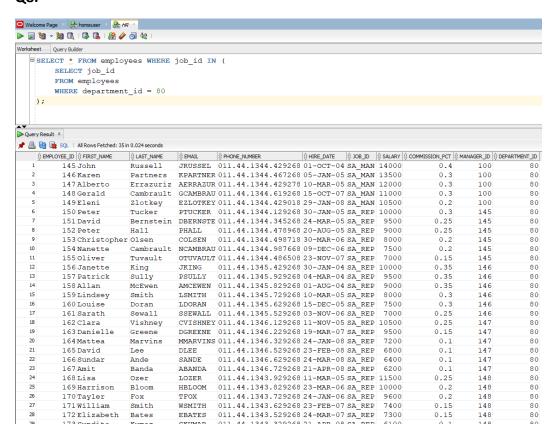
Q6.



Q7.

```
OWelcome Page 💉 🔝 homeuser 💉 🔝 HR 🗵
3 4 4
Worksheet Query Builder
   \square SELECT * FROM employees WHERE manager id = (
        SELECT manager id
        FROM employees
        WHERE employee_id = 120
    );
Query Result ×
📌 🚇 🙀 🗽 SQL | All Rows Fetched: 14 in 0.007 seconds
    PHONE_NUMBER
                                                              $\times$ HIRE_DATE $$\times$ JOB_ID $$\times$ SALARY $$\times$ COMMISSION_PCT $$\times$ MANAGER_ID $$\times$ DEPARTMENT_ID
          101 Neena
                      Kochhar
                                 NKOCHHAR 515,123,4568
                                                               21-SEP-05 AD VP
                                                                                17000
                                                                                            (null)
                                                                                                                     90
                                                                                                        100
                                                               13-JAN-01 AD VP 17000
                                LDEHAAN 515.123.4569
          102 Lex
                       De Haan
                                                                                            (null)
                                                                                                        100
                                                                                                                     90
          114 Den
                       Raphaely DRAPHEAL 515.127.4561
                                                               07-DEC-02 PU_MAN 11000
                                                                                            (null)
                                                                                                        100
                                                                                                                     30
                                 MWEISS
          120 Matthew Weiss
                                          650.123.1234
                                                               18-JUL-04 ST_MAN
                                                                                  8000
                                                                                            (null)
                                                                                                        100
                                                                                                                     50
                                 AFRIPP
                                          650.123.2234
                                                              10-APR-05 ST MAN
                                                                                  8200
                                                                                                        100
                                                                                                                     50
          121 Adam
                       Fripp
                                                                                            (null)
                       Kaufling PKAUFLIN 650.123.3234
          122 Pavam
                                                              01-MAY-03 ST MAN
                                                                                  7900
                                                                                            (null)
                                                                                                        100
                                                                                                                     50
          123 Shanta
                      Vollman SVOLLMAN 650.123.4234
                                                               10-OCT-05 ST_MAN
                                                                                  6500
                                                                                            (null)
                                                                                                        100
                                                                                                                     50
          124 Kevin
   8
                      Mourgos
                                KMOURGOS 650.123.5234
                                                               16-NOV-07 ST MAN
                                                                                 5800
                                                                                            (null)
                                                                                                        100
                                                                                                                     50
                                 JRUSSEL 011.44.1344.429268 01-OCT-04 SA_MAN 14000
   q
          145 John
                       Russell
                                                                                               0.4
                                                                                                        100
                                                                                                                     80
                      Partners KPARTNER 011.44.1344.467268 05-JAN-05 SA MAN 13500
  10
          146 Karen
                                                                                               0.3
                                                                                                        100
                                                                                                                     80
  11
          147 Alberto Errazuriz AERRAZUR 011.44.1344.429278 10-MAR-05 SA_MAN 12000
                                                                                               0.3
                                                                                                        100
                                                                                                                     80
  12
          148 Gerald Cambrault GCAMBRAU 011.44.1344.619268 15-OCT-07 SA_MAN 11000
                                                                                               0.3
                                                                                                        100
                                                                                                                     80
                       Zlotkey EZLOTKEY 011.44.1344.429018 29-JAN-08 SA_MAN 10500
  13
                                                                                               0.2
                                                                                                        100
  14
          201 Michael Hartstein MHARTSTE 515.123.5555
                                                              17-FEB-04 MK MAN 13000
                                                                                            (null)
                                                                                                        100
                                                                                                                     20
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Q8.



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                  ıser 🔻 🔐 HR 🗡
⊳ 💂 👸 🕶 👼 🗟 | 🔯 🖺 | 🖀 🥢 👩 ધ
Worksheet Query Builder
   SELECT * FROM employees WHERE department_id IN (
        SELECT department id
        FROM employees
        GROUP BY department_id
        HAVING MAX(salary) <= 15000
Ouery Result X
📌 🖺 🙀 🗽 SQL | Fetched 50 rows in 0.011 seconds
    $\tilde{\psi} \text{ SALARY $\psi$ COMMISSION_PCT $\psi$ MANAGER_ID $\psi$ DEPARTMENT_ID
                                       ⊕ EMAIL
                                                108 Nancy
                                       NGREENBE 515.124.4569 17-AUG-02 FI MGR
                                                                                     12008
                           Greenberg
                                                                                                 (null)
                                                                                                             101
                                                                                                                        100
                                       DFAVIET 515.124.4169 16-AUG-02 FI_ACCOUNT
                                                                                                 (null)
           109 Daniel
                           Faviet
           110 John
                           Chen
                                                 515.124.4269 28-SEP-05 FI_ACCOUNT
                                                                                                 (null)
                                                                                                             108
                                                                                      8200
                                                                                                                        100
          111 Tsmael
                           Sciarra
                                       ISCIARRA 515.124.4369 30-SEP-05 FI_ACCOUNT
                                                                                      7700
                                                                                                 (null)
                                                                                                             108
                                                                                                                        100
          112 Jose Manuel Urman
                                       JMURMAN 515.124.4469 07-MAR-06 FI ACCOUNT
                                                                                      7800
                                                                                                 (null)
                                                                                                             108
                                                                                                                        100
                                                515.124.4567 07-DEC-07 FI ACCOUNT
          113 Luis
                           Popp
                                       LPOPP
                                                                                      6900
                                                                                                 (null)
                                                                                                             108
                                                                                                                        100
                                       DRAPHEAL 515.127.4561 07-DEC-02 PU MAN
          114 Den
                                                                                     11000
                                                                                                 (null)
                           Raphaely
                                                                                                             100
                                                                                                                         30
                                       AKHOO
                                                 515.127.4562 18-MAY-03 PU_CLERK
                                                                                      3100
           115 Alexander
                                                                                                 (null)
                                                                                                                         30
                           Khoo
                                                                                                             114
                                                515.127.4563 24-DEC-05 PU_CLERK
          116 Shelli
                           Baida
                                       SBAIDA
                                                                                      2900
                                                                                                 (null)
                                                                                                             114
                                                                                                                         30
   10
           117 Sigal
                                       STOBIAS 515.127.4564 24-JUL-05 PU_CLERK
                                                                                      2800
                                                                                                                         30
                           Tobias
                                                                                                 (null)
  11
          118 Guy
                           Himuro
                                       GHIMURO 515.127.4565 15-NOV-06 PU_CLERK
                                                                                      2600
                                                                                                 (null)
                                                                                                             114
                                                                                                                         30
  12
          119 Karen
                           Colmenares
                                       KCOLMENA 515.127.4566 10-AUG-07 PU CLERK
                                                                                      2500
                                                                                                 (null)
                                                                                                             114
                                                                                                                         30
                                       MHARTSTE 515.123.5555 17-FEB-04 MK_MAN
  13
          201 Michael
                           Hartstein
                                                                                     13000
                                                                                                 (null)
                                                                                                             100
                                                                                                                         2.0
  14
          202 Pat
                           Fay
                                       PFAY
                                                 603.123.6666 17-AUG-05 MK REP
                                                                                      6000
                                                                                                 (null)
                                                                                                             201
                                                                                                                         20
          204 Hermann
                                       HBAER
                                                 515.123.8888 07-JUN-02 PR REP
                                                                                     10000
                                                                                                                         70
                                                                                                 (null)
                           Baer
                                                                                                             101
                                       SHIGGINS 515.123.8080 07-JUN-02 AC_MGR
          205 Shelley
                           Higgins
                                                                                     12008
                                                                                                 (null)
                                                                                                             101
                                                                                                                        110
  17
          206 William
                                                515.123.8181 07-JUN-02 AC ACCOUNT
                           Gietz
                                                                                      8300
                                                                                                 (null)
                                                                                                             205
                                       MWEISS
  18
          120 Matthew
                           Weiss
                                                650.123.1234 18-JUL-04 ST_MAN
                                                                                      8000
                                                                                                 (null)
                                                                                                             100
                                                                                                                         50
  19
          121 Adam
                           Fripp
                                       AFRIPP
                                                 650.123.2234 10-APR-05 ST MAN
                                                                                      8200
                                                                                                 (null)
                                                                                                             100
                                                                                                                         50
                                       PKAUFLIN 650.123.3234 01-MAY-03 ST_MAN
  20
          122 Payam
                           Kaufling
                                                                                      7900
                                                                                                 (null)
                                                                                                             100
                                                                                                                         50
  21
          123 Shanta
                           Vollman
                                       SVOLLMAN 650.123.4234 10-OCT-05 ST MAN
                                                                                      6500
                                                                                                 (null)
                                                                                                             100
                                                                                                                         50
  22
                                       KMOURGOS 650.123.5234 16-NOV-07 ST MAN
                                                                                      5800
          124 Kevin
                           Mourgos
                                                                                                 (null)
                                                                                                             100
                                                                                                                         50
  23
          125 Julia
                                       JNAYER 650.124.1214 16-JUL-05 ST_CLERK
                                                                                      3200
                                                                                                 (null)
                                                                                                             120
                                                                                                                         50
                           Nayer
  24
                           Mikkilineni IMIKKILI 650.124.1224 28-SEP-06 ST_CLERK
                                                                                                                         50
           126 Irene
                                                                                      2700
                                                                                                 (null)
                           Landry
  25
           127 James
                                       JLANDRY 650.124.1334 14-JAN-07 ST_CLERK
                                                                                      2400
                                                                                                 (null)
                                                                                                             120
                                                                                                                         50
  26
          128 Steven
                           Markle
                                       SMARKLE 650.124.1434 08-MAR-08 ST_CLERK
                                                                                      2200
                                                                                                 (null)
                                                                                                             120
                                                                                                                         50
```

Q10.

