SQL MOCK ASSIGNMENT

## Request 1:

--List the last name, first name and employee number of all employees that have a last name starting with M.

Expected Result:

|  |  |  |
| --- | --- | --- |
| Last\_Name | First\_Name | Employee\_No |
| M… | aFirstName | anEmployee\_No |
| Etc. | Etc. | Etc. |

Query:

SELECT Last\_Name, First\_Name, Employee\_No

FROM Employees

WHERE Last\_Name LIKE 'M%';

Actual Result:

|  |  |  |
| --- | --- | --- |
| Last\_Name | First\_Name | Employee\_No |
| Molavi | Richard | 102 |
| Meadows | Robert | 112 |
| Marsh | James | 115 |
| Miles | James | 119 |
| Marsh | Adrian | 130 |
| Miles | Everton | 146 |
| Mace | Roberto | 149 |
| Mills | Trevor | 160 |
| Matthews | Jackie | 170 |
| Monroe | Justin | 174 |
| Martinez | Jose | 175 |
| Merton | Loraine | 200 |
| Macffrey | Stuart | 210 |

## Request 2:

--List the last name, first name and employee number of all programmers who were hired on or before 11 Feburary 1994 sorted in descending order of last name

--\*HINT\* JOIN Jobs

Expected Result:

|  |  |  |
| --- | --- | --- |
| Last\_Name | First\_Name | Employee\_No |
| Z… | aFirstName | anEmployeeNo |
| Etc. | Etc. | Etc. |

Query:

SELECT Last\_Name, First\_Name, Employee\_No

FROM Employees

WHERE Hire\_Date <= '1994/02/11' AND Job\_ID = (SELECT Job\_ID FROM Jobs WHERE Job\_Title='programmer')

ORDER BY Last\_Name DESC

Actual Result:

|  |  |  |
| --- | --- | --- |
| Last\_Name | First\_Name | Employee\_No |
| Repetto | Joanna | 166 |
| Monroe | Justin | 174 |
| Hadlow | Nelson | 133 |
| Court | Peter | 155 |
| Acreman | Lucy | 172 |

## Request 3:

--List all the data for all jobs where the maximum salary is greater than 12000 sorted in ascending order of the maximum salary.

Expected Result:

|  |  |  |  |
| --- | --- | --- | --- |
| Job\_ID | Job\_Title | Min\_Salary | Max\_Salary |
| aJobID | aJobTitle | aMinSalary | highestMaxSalary |
| Etc. | Etc. | Etc. | secondHighestMaxSal |

Query:

SELECT \* FROM Jobs

WHERE Max\_Salary > 12000

ORDER BY Max\_Salary ASC

Actual Result:

|  |  |  |  |
| --- | --- | --- | --- |
| Job\_ID | Job\_Title | Min\_Salary | Max\_Salary |
| SH\_CLERK | Shipping Clerk | 8500 | 12500 |
| SA\_REP | Sales Representative | 4500 | 13000 |
| PC\_MGR | Purchase Manager | 5100 | 15000 |
| AD\_ASST | Administration Assistant | 5000 | 15000 |
| HR\_CLERK | Human Resources Clerk | 10500 | 15000 |
| MK\_MGR | Marketing Manager | 11000 | 17500 |
| SA\_MGR | Sales Manager | 10500 | 20000 |
| IT\_PROG | Programmer | 15500 | 25000 |
| SH\_MGR | Shipping Manager | 20500 | 25000 |
| FN\_MGR | Finance Manager | 13500 | 25000 |
| AC\_ACCOUNT | Accountant | 9000 | 25000 |
| AC\_MGR | Accounts Manager | 10500 | 25000 |
| AD\_MGR | Administration Manager | 20500 | 30000 |
| HR\_MGR | Human Resources Manager | 30500 | 50000 |
| IT\_MGR | IT Manager | 40500 | 60000 |
| CO\_DIR | Company Director | 30500 | 100000 |
| CO\_CHAIR | Company Chairman | 100500 | 200000 |

## Request 4:

--List all the data for all jobs where the minimum salary is less than or equal to 4500 sorted in descending order of the minimum salary.

Expected Result:

|  |  |  |  |
| --- | --- | --- | --- |
| Job\_ID | Job\_Title | Min\_Salary | Max\_Salary |
| aJobID | aJobTitle | highestMinSalary | AMaxSalary |
| Etc. | Etc. | secondHighestMinSal | Etc. |

Query:

SELECT \* FROM Jobs

WHERE Min\_Salary <= 4500

ORDER BY Min\_Salary DESC

Actual Result:

|  |  |  |  |
| --- | --- | --- | --- |
| Job\_ID | Job\_Title | Min\_Salary | Max\_Salary |
| PC\_CLERK | Purchase Clerk | 4500 | 8000 |
| SA\_REP | Sales Representative | 4500 | 13000 |

## Request 5:

--List the department name, location, last name and salary of employees who work in location 1700 sorted in ascending order of department name.

--\*HINT\* JOIN Employees

Expected Result:

|  |  |  |  |
| --- | --- | --- | --- |
| Department\_Name | Location\_ID | Last\_Name | Annual\_Salary |
| A… | 1700 | aLastName | anAnnualSalary |
| Etc. | 1700 | Etc. | Etc. |

Query:

SELECT Department\_Name, Location\_ID, Last\_Name, Annual\_Salary FROM Employees JOIN Departments ON (Departments.Department\_No=Employees.Department\_No)

WHERE Location\_ID= 1700

ORDER BY Department\_Name ASC

Actual Result:

|  |  |  |  |
| --- | --- | --- | --- |
| Department\_Name | Location\_ID | Last\_Name | Annual\_Salary |
| Accounting | 1700 | Clifford | 20000 |
| Accounting | 1700 | Marsh | 7250 |
| Accounting | 1700 | Sanders | 10750 |
| Accounting | 1700 | Wilkins | 23000 |
| Accounting | 1700 | Christy | 7500 |
| Administration | 1700 | Nicholls | 6500 |
| Administration | 1700 | Merton | 25000 |
| Administration | 1700 | Wise | 14200 |
| Finance | 1700 | Yorke | 24500 |
| Finance | 1700 | Lambert | 10200 |
| Finance | 1700 | Holland | 8500 |
| Human Resources | 1700 | Whittaker | 35000 |
| Human Resources | 1700 | Cotton | 14990 |
| Human Resources | 1700 | Rogers | 15000 |
| Human Resources | 1700 | Klein | 14200 |
| Management | 1700 | Molavi | 45000 |
| Management | 1700 | Marsh | 150000 |
| Management | 1700 | Dambridge | 50000 |

## Request 6:

--Which jobs are found in the Marketing and Accounting departments?

--\*HINT\* JOIN Employees JOIN Jobs OR

Expected Result:

|  |
| --- |
| Job\_Title |
| aJobTitle |
| Etc. |

Query:

SELECT Job\_Title

FROM Jobs

WHERE Job\_ID IN (SELECT Job\_ID FROM Employees WHERE Department\_No IN (SELECT Department\_No FROM Departments WHERE Department\_Name IN ('Marketing', 'Accounting')))

Actual Result:

|  |
| --- |
| Job\_Title |
| Accountant |
| Accounts Clerk |
| Accounts Manager |
| Marketing Manager |
| Marketing Representative |
| Purchase Clerk |

## Request 7:

--Show the total salaries figure for one week displayed with no decimal places.

Expected Result:

|  |
| --- |
| Total Week of Salary |
| (The total week of salary) |

Query:

SELECT CAST(SUM(Annual\_Salary)/52 AS INT ) AS 'Total Week of Salary'

FROM Employees

Actual Result:

|  |
| --- |
| Total Week of Salary |
| 22377 |

## Request 8:

--Show the total number of jobs.

Expected Result:

|  |
| --- |
| Total # Jobs |
| (The Total number of jobs) |

Query:

SELECT COUNT(Job\_ID) AS 'Total # Jobs' FROM Jobs

Actual Result:

|  |
| --- |
| Total # Jobs |
| 25 |

## Request 9:

--List the department number, department name and the number of employees for each department that has less than 4 employees grouping by department number and department name.

--\*HINT\* JOIN Employees. The HAVING clause was added to SQL because the WHERE keyword could not be used with aggregate functions.

Expected Result:

|  |  |  |
| --- | --- | --- |
| Department\_No | Department\_Name | Number Of Employees |
| aDepartment\_No | aDepartment\_Name | theNumber Of Employees |
| Etc. | Etc. | Etc. |

Query:

SELECT Departments.Department\_No, Department\_Name, COUNT(Employee\_No) AS 'Number Of Employees'

FROM Departments JOIN Employees ON (Departments.Department\_No=Employees.Department\_No)

GROUP BY Departments.Department\_No, Department\_Name

HAVING COUNT(Employee\_No) < 4

Actual Result:

|  |  |  |
| --- | --- | --- |
| Department\_No | Department\_Name | Number Of Employees |
| 20 | Administration | 3 |
| 70 | Shipping | 2 |
| 80 | Finance | 3 |
| 90 | Management | 3 |

## Request 10:

--List the department number, department name and the number of employees for the department that has the lowest number of employees using appropriate grouping

--\*HINT\* JOIN Employees

Expected Result:

|  |  |  |
| --- | --- | --- |
| Department\_No | Department\_Name | NumberOfEmployees |
| Department\_No | Department\_Name | SmallestNumber of Employees |

Query:

First I ran:

CREATE VIEW DepartmentEmployeeCount AS

(SELECT Departments.Department\_No, Department\_Name, COUNT(Employee\_No) AS 'NumberOfEmployees'

FROM Departments JOIN Employees ON (Departments.Department\_No=Employees.Department\_No)

GROUP BY Departments.Department\_No, Department\_Name);

Then:

SELECT \* FROM DepartmentEmployeeCount WHERE NumberOfEmployees = (SELECT MIN(NumberOfEmployees) FROM DepartmentEmployeeCount)

Actual Result:

|  |  |  |
| --- | --- | --- |
| Department\_No | Department\_Name | NumberOfEmployees |
| 70 | Shipping | 2 |

## Request 11:

--List the department number and name for all departments where no sales representatives work.

--\*HINT\* JOIN Employees JOIN Jobs

Expected Result:

|  |  |
| --- | --- |
| Department\_No | Department\_Name |
| aDepartment\_No | aDepartment\_Name |
| Etc. | Etc. |

Query:

SELECT Department\_No, Department\_Name FROM Departments WHERE Department\_No NOT IN (SELECT Department\_No FROM Employees WHERE Job\_ID=(SELECT Job\_ID FROM Jobs WHERE Job\_Title='sales representative'))

Actual Result:

|  |  |
| --- | --- |
| Department\_No | Department\_Name |
| 10 | Marketing |
| 20 | Administration |
| 30 | Accounting |
| 50 | IT |
| 70 | Shipping |
| 80 | Finance |
| 90 | Management |
| 110 | Human Resources |
| 190 | Manufacturing |

## Request 12:

--Add the following new job IT\_ASST, IT Assistant, 5000, 8000

Expected Result:

The following row will be added to the Jobs table

|  |  |  |  |
| --- | --- | --- | --- |
| Job\_ID | Job\_Title | Min\_Salary | Max\_Salary |
| IT\_ASST | IT Assistant | 5000 | 8000 |

Query:

INSERT INTO Jobs VALUES('IT\_ASST', 'IT Assistant', 5000, 8000);

Actual Result:

The following row was added to the Jobs table

|  |  |  |  |
| --- | --- | --- | --- |
| Job\_ID | Job\_Title | Min\_Salary | Max\_Salary |
| IT\_ASST | IT Assistant | 5000 | 8000 |

## Request 13:

--Update all the maximum salaries for jobs with an increase of 2000

Expected Result:

The max salary in the Jobs table will be changed like so:

|  |  |  |  |
| --- | --- | --- | --- |
| Before: | Max\_Salary | After: | Max\_Salary |
|  | someMaxSalary |  | someMaxSalary + 2000 |
|  | Etc. |  | Etc. |

Query:

UPDATE Jobs SET Max\_Salary += 2000;

Actual Result:

The max salary in the Jobs table was changed like so:

|  |  |  |  |
| --- | --- | --- | --- |
| Before: | Max\_Salary | After: | Max\_Salary |
|  | 1200 |  | 3200 |
|  | 8000 |  | 10000 |
|  | 8000 |  | 10000 |
|  | 10500 |  | 12500 |
|  | 11000 |  | 13000 |
|  | 11000 |  | 13000 |
|  | 11500 |  | 13500 |
|  | 12000 |  | 14000 |
|  | 12000 |  | 14000 |
|  | 12500 |  | 14500 |
|  | 13000 |  | 15000 |
|  | 15000 |  | 17000 |
|  | 15000 |  | 17000 |
|  | 15000 |  | 17000 |
|  | 17500 |  | 19500 |
|  | 20000 |  | 22000 |
|  | 25000 |  | 27000 |
|  | 25000 |  | 27000 |
|  | 25000 |  | 27000 |
|  | 25000 |  | 27000 |
|  | 25000 |  | 27000 |
|  | 30000 |  | 32000 |
|  | 50000 |  | 52000 |
|  | 60000 |  | 62000 |
|  | 100000 |  | 102000 |
|  | 200000 |  | 202000 |

## Request 14:

--List all the data for jobs sorted in descending order of job id.

Expected Result:

|  |  |  |  |
| --- | --- | --- | --- |
| Job\_ID | Job\_Title | Min\_Salary | Max\_Salary |
| Last JobID | aJobTitle | aMinSalary | aMaximumSalary |
| Etc. | Etc. | Etc. | Etc. |

Query:

SELECT \* FROM Jobs ORDER BY Job\_ID DESC

Actual Result:

|  |  |  |  |
| --- | --- | --- | --- |
| Job\_ID | Job\_Title | Min\_Salary | Max\_Salary |
| ST\_MGR | Stock Manager | 7400 | 14000 |
| ST\_CLERK | Stock Clerk | 4900 | 12500 |
| SH\_MGR | Shipping Manager | 20500 | 27000 |
| SH\_CLERK | Shipping Clerk | 8500 | 14500 |
| SA\_REP | Sales Representative | 4500 | 15000 |
| SA\_MGR | Sales Manager | 10500 | 22000 |
| SA\_CLERK | Sales Clerk | 9000 | 3200 |
| PC\_MGR | Purchase Manager | 5100 | 17000 |
| PC\_CLERK | Purchase Clerk | 4500 | 10000 |
| MK\_REP | Marketing Representative | 4990 | 13000 |
| MK\_MGR | Marketing Manager | 11000 | 19500 |
| IT\_PROG | Programmer | 15500 | 27000 |
| IT\_MGR | IT Manager | 40500 | 62000 |
| IT\_ASST | IT Assistant | 5000 | 10000 |
| HR\_MGR | Human Resources Manager | 30500 | 52000 |
| HR\_CLERK | Human Resources Clerk | 10500 | 17000 |
| FN\_MGR | Finance Manager | 13500 | 27000 |
| FN\_CLERK | Finance Clerk | 6500 | 13000 |
| CO\_DIR | Company Director | 30500 | 102000 |
| CO\_CHAIR | Company Chairman | 100500 | 202000 |
| AD\_MGR | Administration Manager | 20500 | 32000 |
| AD\_CLERK | Administration Clerk | 5000 | 14000 |
| AD\_ASST | Administration Assistant | 5000 | 17000 |
| AC\_MGR | Accounts Manager | 10500 | 27000 |
| AC\_CLERK | Accounts Clerk | 5500 | 13500 |
| AC\_ACCOUNT | Accountant | 9000 | 27000 |

## Request 15:

--a) The job history for employee number 125 is no longer required. Delete this record.

--b) List all the data for job history sorted in descending order of employee number.

Expected Result:

1. The following will be deleted

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Employee\_No | Start\_Date | End\_Date | Job\_ID | Department\_No |
| 125 | 125’s Start\_Date | 125’s End\_Date | 125’s Job\_ID | 125’s Department\_No |

1. Job history is listed like:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Employee\_No | Start\_Date | End\_Date | Job\_ID | Department\_No |
| Highest Employee\_No | aStart\_Date | anEnd\_Date | aJob\_ID | aDepartment\_No |
| Etc. | Etc. | Etc. | Etc. | Etc. |

Query:

DELETE FROM Job\_History WHERE Employee\_No = 125

SELECT \* FROM Job\_History ORDER BY Employee\_No DESC

Actual Result:

1. The following was deleted

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Employee\_No | Start\_Date | End\_Date | Job\_ID | Department\_No |
| 125 | 19/02/1986 00:00:00 | 12/05/1998 00:00:00 | FN\_CLERK | 80 |

1. Job History listed:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Employee\_No | Start\_Date | End\_Date | Job\_ID | Department\_No |
| 250 | 02/12/1985 00:00:00 | 29/01/1990 00:00:00 | SH\_CLERK | 70 |
| 200 | 29/10/1996 00:00:00 | 12/04/1999 00:00:00 | AD\_ASST | 20 |
| 200 | 16/09/1987 00:00:00 | 29/10/1996 00:00:00 | AD\_CLERK | 20 |
| 160 | 01/01/1986 00:00:00 | 25/03/1993 00:00:00 | ST\_CLERK | 190 |
| 150 | 16/03/1998 00:00:00 | 25/01/1998 00:00:00 | SA\_REP | 60 |
| 130 | 04/12/1996 00:00:00 | 23/06/1999 00:00:00 | CO\_DIR | 90 |
| 130 | 01/03/1988 00:00:00 | 04/12/1996 00:00:00 | FN\_MGR | 80 |
| 122 | 10/11/1986 00:00:00 | 31/07/1989 00:00:00 | HR\_CLERK | 110 |
| 110 | 12/05/1996 00:00:00 | 06/12/1998 00:00:00 | FN\_CLERK | 80 |
| 107 | 13/03/1993 00:00:00 | 29/01/1999 00:00:00 | IT-PROG | 50 |
| 102 | 02/06/1992 00:00:00 | 15/07/1996 00:00:00 | FN\_MGR | 80 |
| 100 | 16/11/1999 00:00:00 | 20/09/2000 00:00:00 | MK\_REP | 10 |

## Request 16:

--Create a new view for clerks’s details only using all the fields from the employee table.

--\*HINT\* '%CLERK'

Expected Result:

A view like this is created:

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Employee\_No | First\_Name | Last\_Name | Email | Phone\_Number | Hire\_Date | Job\_ID | Annual\_Salary | Commission\_Percent | Manager\_ID | Department\_No |
| aEmployee\_No | aFirst\_Name | aLast\_Name | anEmail | aPhone\_Number | aHire\_Date | %CLERK | anAnnual\_Salary | NULL | aManager\_ID | aDepartment\_No |
| Etc. | Etc. | Etc. | Etc. | Etc. | Etc. | %CLERK | Etc. | NULL | Etc. | Etc. |

Query:

CREATE VIEW Clerks AS SELECT \* FROM Employees WHERE Job\_ID LIKE '%CLERK'

Actual Result:

A view was created:

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Employee\_No | First\_Name | Last\_Name | Email | Phone\_Number | Hire\_Date | Job\_ID | Annual\_Salary | Commission\_Percent | Manager\_ID | Department\_No |
| 115 | James | Marsh | JMARSH | 222 456 133 | 16/04/1999 00:00 | AC\_CLERK | 7250 | NULL | 110 | 30 |
| 120 | Joseph | Sanders | JSANDERS | 222 456 266 | 12/08/1997 00:00 | AC\_CLERK | 10750 | NULL | 110 | 30 |
| 126 | Fiona | Kelso | FKELSO | 345 222 266 | 03/07/1997 00:00 | ST\_CLERK | 8200 | NULL | 160 | 190 |
| 131 | Martyn | Holmes | MHOLMES | 345 222 111 | 25/04/1998 00:00 | ST\_CLERK | 8000 | NULL | 160 | 190 |
| 132 | Marie-Lisa | Johannsson | MJOHANSSON | 345 222 142 | 19/03/1997 00:00 | ST\_CLERK | 8200 | NULL | 160 | 190 |
| 135 | John | Lugini | JLUGINI | 345 222 192 | 04/05/1996 00:00 | ST\_CLERK | 7800 | NULL | 160 | 190 |
| 138 | Ramirez | Damatos | RDAMATOS | 345 222 233 | 28/09/1998 00:00 | ST\_CLERK | 9500 | NULL | 160 | 190 |
| 139 | Kelly | Wight | KWIGHT | 345 222 335 | 02/02/1999 00:00 | ST\_CLERK | 7500 | NULL | 160 | 190 |
| 141 | George | Diamond | GDIAMOND | 345 222 121 | 15/11/1997 00:00 | ST\_CLERK | 8000 | NULL | 160 | 190 |
| 180 | Germaine | Nicholls | GNICHOLLS | 665 239 155 | 07/12/1999 00:00 | AD\_CLERK | 6500 | NULL | 200 | 20 |
| 195 | Marion | Weiss | MWEISS | 345 222 165 | 26/08/1998 00:00 | ST\_CLERK | 6500 | NULL | 160 | 190 |
| 198 | Elaine | Cotton | ECOTTON | 532 555 190 | 21/04/1986 00:00 | HR\_CLERK | 14990 | NULL | 122 | 110 |
| 204 | Gregory | Lambert | GLAMBERT | 888 666 250 | 05/01/1992 00:00 | FN\_CLERK | 10200 | NULL | 125 | 80 |
| 205 | Rachel | Christy | RCHRISTY | 222 456 188 | 17/10/1994 00:00 | PC\_CLERK | 7500 | NULL | 110 | 30 |
| 206 | Edward | Laslo | ELASLO | 333 111 435 | 09/12/1987 00:00 | SH\_CLERK | 11800 | NULL | 250 | 70 |
| 208 | Frances | Goodwin | FGOODWIN | 345 222 200 | 21/09/1988 00:00 | ST\_CLERK | 10000 | NULL | 160 | 190 |
| 210 | Stuart | Macffrey | SMACFFREY | 345 222 220 | 03/05/1989 00:00 | ST\_CLERK | 9800 | NULL | 160 | 190 |
| 212 | James | Watson | JWATSON | 345 222 224 | 16/02/1993 00:00 | ST\_CLERK | 10000 | NULL | 160 | 190 |
| 240 | Byron | Elliott | BELLIOTT | 345 222 333 | 18/10/1990 00:00 | ST\_CLERK | 9800 | NULL | 160 | 190 |
| 266 | Pamela | Rogers | PROGERS | 532 555 200 | 17/04/1989 00:00 | HR\_CLERK | 15000 | NULL | 122 | 110 |
| 267 | Thomas | Klein | TKLEIN | 532 555 121 | 15/11/1991 00:00 | HR\_CLERK | 14200 | NULL | 122 | 110 |
| 274 | Ian | Holland | IHOLLAND | 888 666 260 | 06/06/1991 00:00 | FN\_CLERK | 8500 | NULL | 125 | 80 |

## Request 17:

--Show all the fields and all the clerks using the view for clerks sorted in descending order of employee number.

Expected Result:

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Employee\_No | First\_Name | Last\_Name | Email | Phone\_Number | Hire\_Date | Job\_ID | Annual\_Salary | Commission\_Percent | Manager\_ID | Department\_No |
| HighestEmployee\_No | aFirst\_Name | aLast\_Name | anEmail | aPhone\_Number | aHire\_Date | %CLERK | anAnnual\_Salary | NULL | aManager\_ID | aDepartment\_No |
| SecondHighestEmployee\_No | Etc. | Etc. | Etc. | Etc. | Etc. | %CLERK | Etc. | NULL | Etc. | Etc. |

Query:

SELECT \* FROM Clerks ORDER BY Employee\_No DESC

Actual Result:

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Employee\_No | First\_Name | Last\_Name | Email | Phone\_Number | Hire\_Date | Job\_ID | Annual\_Salary | Commission\_Percent | Manager\_ID | Department\_No |
| 274 | Ian | Holland | IHOLLAND | 888 666 260 | 06/06/1991 00:00:00 | FN\_CLERK | 8500 | NULL | 125 | 80 |
| 267 | Thomas | Klein | TKLEIN | 532 555 121 | 15/11/1991 00:00:00 | HR\_CLERK | 14200 | NULL | 122 | 110 |
| 266 | Pamela | Rogers | PROGERS | 532 555 200 | 17/04/1989 00:00:00 | HR\_CLERK | 15000 | NULL | 122 | 110 |
| 240 | Byron | Elliott | BELLIOTT | 345 222 333 | 18/10/1990 00:00:00 | ST\_CLERK | 9800 | NULL | 160 | 190 |
| 212 | James | Watson | JWATSON | 345 222 224 | 16/02/1993 00:00:00 | ST\_CLERK | 10000 | NULL | 160 | 190 |
| 210 | Stuart | Macffrey | SMACFFREY | 345 222 220 | 03/05/1989 00:00:00 | ST\_CLERK | 9800 | NULL | 160 | 190 |
| 208 | Frances | Goodwin | FGOODWIN | 345 222 200 | 21/09/1988 00:00:00 | ST\_CLERK | 10000 | NULL | 160 | 190 |
| 206 | Edward | Laslo | ELASLO | 333 111 435 | 09/12/1987 00:00:00 | SH\_CLERK | 11800 | NULL | 250 | 70 |
| 205 | Rachel | Christy | RCHRISTY | 222 456 188 | 17/10/1994 00:00:00 | PC\_CLERK | 7500 | NULL | 110 | 30 |
| 204 | Gregory | Lambert | GLAMBERT | 888 666 250 | 05/01/1992 00:00:00 | FN\_CLERK | 10200 | NULL | 125 | 80 |
| 198 | Elaine | Cotton | ECOTTON | 532 555 190 | 21/04/1986 00:00:00 | HR\_CLERK | 14990 | NULL | 122 | 110 |
| 195 | Marion | Weiss | MWEISS | 345 222 165 | 26/08/1998 00:00:00 | ST\_CLERK | 6500 | NULL | 160 | 190 |
| 180 | Germaine | Nicholls | GNICHOLLS | 665 239 155 | 07/12/1999 00:00:00 | AD\_CLERK | 6500 | NULL | 200 | 20 |
| 141 | George | Diamond | GDIAMOND | 345 222 121 | 15/11/1997 00:00:00 | ST\_CLERK | 8000 | NULL | 160 | 190 |
| 139 | Kelly | Wight | KWIGHT | 345 222 335 | 02/02/1999 00:00:00 | ST\_CLERK | 7500 | NULL | 160 | 190 |
| 138 | Ramirez | Damatos | RDAMATOS | 345 222 233 | 28/09/1998 00:00:00 | ST\_CLERK | 9500 | NULL | 160 | 190 |
| 135 | John | Lugini | JLUGINI | 345 222 192 | 04/05/1996 00:00:00 | ST\_CLERK | 7800 | NULL | 160 | 190 |
| 132 | Marie-Lisa | Johannsson | MJOHANSSON | 345 222 142 | 19/03/1997 00:00:00 | ST\_CLERK | 8200 | NULL | 160 | 190 |
| 131 | Martyn | Holmes | MHOLMES | 345 222 111 | 25/04/1998 00:00:00 | ST\_CLERK | 8000 | NULL | 160 | 190 |
| 126 | Fiona | Kelso | FKELSO | 345 222 266 | 03/07/1997 00:00:00 | ST\_CLERK | 8200 | NULL | 160 | 190 |
| 120 | Joseph | Sanders | JSANDERS | 222 456 266 | 12/08/1997 00:00:00 | AC\_CLERK | 10750 | NULL | 110 | 30 |
| 115 | James | Marsh | JMARSH | 222 456 133 | 16/04/1999 00:00:00 | AC\_CLERK | 7250 | NULL | 110 | 30 |

## Request 18:

--Grant the authority to all other users to access the view for clerks for SELECT statements only.

Expected Result:

All users will be able to perform SELECT statements on the view Clerks

Query:

GRANT SELECT ON Clerks TO PUBLIC

Actual Result:

All users are able to perform SELECT statements on the view Clerks

## Request 19:

--Create an index named LOC\_POSTAL\_CODE on the Postal Code in the locations table. Provide a printout showing that the index has been created.

Expected Result:

An index named LOC\_POSTAL\_CODE will be created in the locations table

Query:

CREATE INDEX LOC\_POSTAL\_CODE ON Locations (Postal\_Code)

Actual Result:

Index named LOC\_POSTAL\_CODE was created in the locations table

