

## Hands-on Assignments for Restricting and Sorting Data

Complete the below hands-on assignments before proceeding with the next Topic

| No. | Hands-on Assignment   | Topics Covered               | Status                   |
|-----|---|------------------------------|--------------------------|
| 1   | Create a report that displays the last name and salary of employees who earn more than \$12,000.  | Restricting and Sorting Data | <input type="checkbox"/> |
| 2   | Create a report that displays the last name and department number for employee number 176.  | Restricting and Sorting Data | <input type="checkbox"/> |
| 3   | To find high-salary and low-salary employees. Create a query to display the last name and salary for any employee whose salary is not in the range of \$5,000 to \$12,000   | Restricting and Sorting Data | <input type="checkbox"/> |
| 4   | Create a report to display the last name, job ID, and hire date for employees with the last names of Matos and Taylor. Order the query in ascending order by the hire date.   | Restricting and Sorting Data | <input type="checkbox"/> |
| 5   | Display the last name and department ID of all employees in departments 20 or 50 in ascending alphabetical order by name.   | Restricting and Sorting Data | <input type="checkbox"/> |
| 6   | List employees who earn between \$5,000 and \$12,000, and are in department 20 or 50. Label the columns as Employee and Monthly Salary, respectively.   | Restricting and Sorting Data | <input type="checkbox"/> |
| 7   | Create a report that displays the last name and hire date for all employees who were hired in 1994.   | Restricting and Sorting Data | <input type="checkbox"/> |
| 8   | Create a report to display the last name and job title of all employees who do not have a manager.  | Restricting and Sorting Data | <input type="checkbox"/> |
| 9   | Create a report to display the last name, salary, and commission of all employees who earn commissions. Sort data in descending order based on salary and commissions. Use the column's numeric position in the ORDER BY clause.                    | Restricting and Sorting Data | <input type="checkbox"/> |
| 10  | Create a report that displays the last name and salary of employees who earn more than an amount that the user specifies after a prompt.<br>If you enter 12000, it should display all employees earning more than 12000.<br>Eg: Salary_value: 12000 | Restricting and Sorting Data | <input type="checkbox"/> |

|    |   |                              |                          |
|----|---|------------------------------|--------------------------|
| 11 | Create a query that prompts the user for a manager ID and generates the employee ID, last name, salary and department for that manager's employees and prompts a column name by which result should be sorted.<br>Eg:<br>manager_id :103<br>sorted_by : last_name | Restricting and Sorting Data | <input type="checkbox"/> |
| 12 | Display all employee last names in which the third letter of the name is "a".   | Restricting and Sorting Data | <input type="checkbox"/> |
| 13 | Display the last names of all employees who have both an "a" and an "e" in their last name.   | Restricting and Sorting Data | <input type="checkbox"/> |
| 14 | Display the last name, job, and salary for all employees whose jobs are either those of a sales representative or of a stock clerk, and whose salaries are not equal to \$2,500, \$3,500, or \$7,000.   | Restricting and Sorting Data | <input type="checkbox"/> |