|  |  |
| --- | --- |
| **LOCATION** | |
| Location TO | Regional Group |
| 122 | NEW YORK |
| 123 | DALLAS |
| 124 | CHICAGO |
| 167 | BOSTON |

|  |  |  |
| --- | --- | --- |
| **DEPARTMENT** | | |
| Department **ID** | Name | Location **ID** |
| 10 | ACCOUNTING | 122 |
| 20 | RESEARCH | 124 |
| 30 | SALES | 123 |
| 40 | OPERATIONS | 167 |

|  |  |
| --- | --- |
| **JOB** | |
| **Job ID** | Function |
| 667 | CLERK |
| 668 | STAFF |
| 669 | ANALYST |
| 670 | SALESPERSON |
| 671 | MANAGER |
| 672 | PRESIDENT |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **EMPLOYEE** | | | | | | | | | |
| EMPL OYEE  -ID | LAST\_N AME | FIRST  \_NAM E | MID OLE  \_NA ME | JOB\_I D | MANA GER.\_I D | HIREDATE | SALAR  y | COMM | DEPA RTME NT\_ID |
| 7369 | SMITH | JOHN | 0 | 667 | 7902 | 17-DEC-84 | 800 | NULL | 20 |
| 7499 | ALLEN | KEVIN | J | 670 | 7698 | 20-FEB-85 | 1600 | 300 | 30 |
| 7505 | DOYLE | JEAN | K | 671 | 7839 | 04-APR-85 | 2850 | NULL | 30 |
| 7506 | DENNIS | LYNN | s | 671 | 7839 | 15•MAY•85 | 2750 | NULL | 30 |
| 7507 | BAKER | LESLI E | D | 671 | 7839 | 10-JUN-85 | 2200 | NULL | 40 |
| 7521 | WARK | CYNT  HIA | D | 670 | 7698 | 22-FEB-85 | 1250 | 500 | 30 |

**Simple Queries:**

1. List all the employee details
2. List all the department details
3. List all job details
4. List all the locations

s. List out first name, last\_name, salary, commission for all employees

1. List out employee\_ld,last name, department Id for all employees and rename employee Id as "ID of the employee", last name as "Name of the employee", department id as **"department** ID·
2. List out the employees anual salary with their

names only.

**Where Conditions:**

1. List the details about "SMITH"
2. List out the employees who are working in department 20
3. List out the employees who are earning salary between 3000 and 4500 l 1. List out the employees who are working in department 10 or 20
4. Find out the employees who are not working in department 10 or 30
5. List out the employees whose name starts with "S"
6. List out the employees whose name start with "S,.and end with "H"
7. List out the employees whose name length is 4 and start with "S"
8. List out the employees who are working In department 10 and draw the salaries more than

3500

1. list out the employees who are not receiving commission.

**Order By Clause:**

1. List out the employee Id, last nameIn ascending order based on the employee Id.
2. List out the employee id, name In descending order based on salary column
3. 11st out the employee details according to their last\_name in ascending order and salaries In descending order
4. llst out the employee details according to their last\_name In asc-endfng order and then on

departmenLid in descending order.

**Group By & Having Clause:**

1. How many employees who are working In different departments wise In the organization
2. List out the department wise maximum salary, minimum salary, average salary of the employees
3. List out the job wise maximum salary, minimum salary, average salar'les of the employees.
4. List out the no.of employees joined in every month Jn ascending order.
5. List out the no.of employees for each month and year, in the ascending order based on the year, month.
6. List out the department id having atleast four employees.
7. How many employees in January month.
8. How many employees who are joined In January or September month.
9. How many employees who are joined In 198S.
10. How many employees joined each month in 1985.
11. How many employees who are joined In March 1985.
12. Which Is the department id, having greater than or equal to 3 employees joined in April 1985.

**Sub-Queries**

1. Dlsplay the employee who got the maximum salary.
2. Display the employees who are working in Sales department
3. Display the employees who are working as "Clerk".
4. Dlsplav the employees who are working in "New YOl'k"'
5. Findout no.of employees working in "Sales" department.
6. Update the employees salaries, who are working as Clerk on the basis of 10%.
7. Delete the employees who are working In accounting department.
8. Display the second highest salary drawing employee details.
9. Display the Nth highest salary drawing employee details

**Sub-Query operators: (ALL,ANY,SOME,EXISTS)**

1. List out the employees who earn more than every employee In department 30.
2. List out the employees who earn more than the lowest salary in department 30.
3. Find out whose department has not employees.
4. Find out which department does not have any employees.

*Co-Related Sub Queries:*

1. Find out the employees who earn gl'eater than the average salary for their department.

**set Operators:**

1. Ust out the distinct jobsIn Sales and Accounting Departments.
2. Ust out the AU jobs in Sales and Accounting Departments.
3. Ust out the common jobs in Research and Accounting Departments In ascending order.