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SQL Training

Lesson-End Project Solution



**Employee Data Analysis**

1. Write a query to create an **employee** table with employee ID, first name, last name, job ID, salary, manager ID, and department ID fields

**SQL code:**

CREATE TABLE lep\_7.employee (

emp\_id int NOT NULL,

f\_name varchar(45) NULL,

l\_name varchar(45) NOT NULL,

job\_id varchar(45) NOT NULL,

salary decimal(8,2) NOT NULL,

manager\_id int NOT NULL,

dept\_id varchar(45) NOT NULL,

PRIMARY KEY(emp\_id));

1. Write a query to insert values into the **employee** table

**SQL code:**

INSERT INSERT INTO lep\_7. employee (emp\_id,f\_name,l\_name,job\_id,salary,manager\_id,dept\_id) VALUES ('103','krishna','gee','HP125','500000','05','44')

1. Write a query to find the first and last names of every employee whose salary is higher than the employee with the last name Kumar

**SQL code:**

SELECT f\_name,l\_name FROM lep\_7.employee where salary > (SELECT salary FROM lep\_7.employee WHERE l\_name = 'kumar');

**Output:**

Graphical user interface, table

Description automatically generated

1. Write a query to display the employee ID and last name of every employee whose salary is greater than the average

**SQL code:**

SELECT f\_name,l\_name,salary FROM lep\_7.employee WHERE salary > ( SELECT AVG(salary) FROM lep\_7.employee);

**Output:**

Table

Description automatically generated

1. Write a query to display the employee ID and first name of every employee whose salary is higher than the salary of the shipping clerks (JOB\_ID = HP122) and sort the results in the ascending order of the salary

**SQL code:**

SELECT f\_name,emp\_id,salary FROM lep\_7.employee WHERE salary > ALL (SELECT salary FROM lep\_7.employee WHERE job\_id = 'HP122') ORDER BY salary;

**Output:**

Table

Description automatically generated

1. Write a query to display the first name, employee ID, and salary of the three employees with the highest salaries

**SQL code:**

SELECT DISTINCT emp\_id ,f\_name,salary FROM lep\_7.employee a WHERE 3>= (SELECT COUNT(DISTINCT salary) FROM lep\_7.employee b WHERE b.salary >= a.salary) ORDER BY a.salary DESC;

**Output:**

Table

Description automatically generated