StdHrs_AllDepartments.sql

Overview:

The StdHrs_AllDepartments.sql script is designed to analyze and report the standard hours allocated across all departments in an organization. This data provides critical insights into workforce resource planning, departmental efficiency, and operational management.

Purpose:

The primary objective of this script is to:

- Aggregate standard hours for each department.

- Enable HR teams and department heads to understand resource allocation.

- Serve as a basis for analyzing departmental performance and workforce planning.

Key Features:

1. **Data Aggregation:**

   o Retrieves standard hours from the central database for all departments.

   o Groups and sums the hours by department.

2. **Performance Analysis:**

   o Identifies departments that are meeting or exceeding planned hours.

   o Provides benchmarks for departmental comparisons.

3. **Visualization Ready:**

   o Output is structured for easy integration with business intelligence tools like Power BI, Tableau, or Excel.

SQL Script Breakdown:

1. **Table Joins:**

   o Joins multiple tables containing workforce, department, and time data.

2. **Filters:**

   o Applies filters to ensure only active departments and valid hours are included.

3. **Grouping and Summation:**

- Uses GROUP BY to consolidate data by department.
- Calculates total standard hours for each department.

Usage Instructions:

- Ensure the database schema contains tables like departments, employees, and standard_hours.

- Update the script with actual table and column names from your database.

- Execute the script in a SQL environment.

- Use the output to analyze and improve resource allocation.