

Data Management and Artificial Intelligence Homework 8

Task 1 *Simple SQL queries*

In this task, we will again deal with the six airport-based ed CSV files. Please calculate the number of airports and runways in each region, as well as the average runway length. And create a CSV file that contains the top 10 regions with the most airports. In this CSV file, for each you need to show the the name of the region, the number of airports , the number of runways, the average runway length and the country in which the region belongs. Try to use only one SQL sentence to solve this task.

Task 2 *Advanced SQL queries*

1. Compute the average, minimum and maximum salaries that each employee has ever got.
2. For those employees whose values of $|max_salaries - min_salaries|$ are smaller than 10000, select their names and their (average, minimum and maximum) salaries that are sorted by the average salaries in an ascending order.
3. Print the number of employees per title in the company for the year 1995.

Task 3 *Advanced SQL Queries with View*

1. Create a view which computes the average, minimum and maximum salaries that each employee has ever got.
2. Create a view: For those employees whose values of $|max_salaries - min_salaries|$ are smaller than 10000, select their names and their (average, minimum and maximum) salaries that are sorted by the average salaries in an ascending order.
3. Create a view which prints the number of employees per title in the company for the year 1995.