Written analysis of Pewlett-Hackard-Analysis

Overview of the analysis: The main purpose of this analysis was to learn how to retrieve data , join tables, filter etc. In part 1 of the assignment we were instructed to retrieve employee number, first name , last name etc. I also learned how to use ‘INTO’ function to create a new table and also learned how to join tables. This is how my chart looked after using my knowledge: Graphical user interface, table

Description automatically generated with medium confidence

Second part of deliverable 1 of the assignment I learned how to make unique tables using ‘DISTINCT ON’ function. Also learned how to filter the data to analyze certain parts. This is the script I used to for part 2: Graphical user interface, text, application

Description automatically generated

Last part of the deliverable 1 the purpose was to learn how to use group by and count functions. This is the script I used: Graphical user interface, text, application

Description automatically generated

The second delivarbles purpose was to use everything I learned from part 1 and apply it to one table this is how my table and script looked:Text

Description automatically generated

Results: 4 major points from the 2 deliverables was :

* There are 50842 employees that are eligible for retirement
* Senior Engineer and Senior Staff the two largest categories in which staff will be retiring
* They need me more technique leaders for more efficient work, if you see the chart there is only 3603 technique leaders for basically 10000 engineers and 25916 senior engineers, even they are senior times changes and there is always faster ways and more efficient way to work
* There aren't enough young staff or engineers as you can see there is only 7636 staff and 9285 engineers

You can see this from my retiring table and unique tites chart:

Graphical user interface, table

Description automatically generated

Graphical user interface, application

Description automatically generated

Summary**:**

How many roles will need to be filled as the "silver tsunami" begins to make an impact?

* I think around 50 000 roles to be filled as you can see in my analysis there are 50842 senior which soon will be retiring.

Are there enough qualified, retirement-ready employees in the departments to mentor the next generation of Pewlett Hackard employees?

* Yes I do because if you see notice there is only around 9285 engineers compared to 25916 senior engineers that’s almost double the regular engineers. There are also technique leaders which can also help the next generation.