**Report**

Assignment 2 - MySQL

The report does not have to be longer than 1-2 pages, excluding screenshots/images.

**Group**: 69

**Students**: Hauk Aleksander Olaussen, Noran Baskaran, Vidar MIC.

**Introduction**

Briefly explain the task and the problems you have solved. How did you work as a group? If you used Git, a link to the repository would be nice.

For part 1 …

For part 2 we created a file named Queries.py where you can find all our answers to the tasks for this part. Many were done using only SQL, but some needed more work with python.

For this assignment we have worked together physically at campus. Hauk did the whole part one of the assignment and sent the data to a database which is located at his home desktop, and the rest of the group did a code review to confirm and check if this process was done how we think it should be done.

Then for the query part of the assignment, we created the queries together as a group and Hauk put them in the queries script and modified them to print the results in a readable format.

Link to repo: [GitHub](https://github.com/Olaussen/TDT4225/tree/main/assignment2)

**Results**

Add your results from the tasks, both as text and screenshots. Short sentences are sufficient.

**Part 1**

**Part 2**

**Task 1:**

Screenshot of terminal showing the result of a function named total\_amount\_of\_entries.

Et bilde som inneholder tekst

Automatisk generert beskrivelse

**Task 2:** Screenshot of terminal showing result of function named min\_max\_avg\_activites.

**Et bilde som inneholder tekst

Automatisk generert beskrivelse**

**Task 3:** Screenshot of terminal showing result of function named

top\_ten\_users\_by\_activites.

**Et bilde som inneholder tekst

Automatisk generert beskrivelse**

**Task 4:** Screenshot of terminal showing result of function named users\_start\_on\_one\_day\_end\_the\_next\_day.

**Et bilde som inneholder tekst

Automatisk generert beskrivelse**

**Task 5:** Screenshot of terminal showing result of function named find\_duplicate\_activities(). Looks messy, but what you see here is a list containing list which contains the id of activities that match other record in the activity table.

**Et bilde som inneholder tekst

Automatisk generert beskrivelse**

**Task 6:** Screenshot of terminal showing result of function named covid\_19\_tracking

**Et bilde som inneholder tekst

Automatisk generert beskrivelse**

**Task 7:** Screenshot of terminal showing result of function named never\_taken\_taxi.

**Et bilde som inneholder tekst

Automatisk generert beskrivelse**

**Task 8:** Screeenshot of terminal show result of function named transportation\_mode\_count.Et bilde som inneholder tekst

Automatisk generert beskrivelse

**Task 9 a:** Screenshot of terminal show result of function named most\_active\_year.

Et bilde som inneholder tekst

Automatisk generert beskrivelse

**Task 9 b:** Screenshot of terminal show result of function named ser\_with\_most\_activities\_from\_9a.

Et bilde som inneholder tekst

Automatisk generert beskrivelse

**Task 10:** Screenshot of terminal show result of function named distance\_walked\_in\_2008.

**Et bilde som inneholder tekst

Automatisk generert beskrivelse**

**Task 11:** Screenshot of terminal show result of function named most\_altitude\_gained.

**Et bilde som inneholder tekst

Automatisk generert beskrivelse**

**Task 12:** Screenshot of terminal show result of function named invalid\_activities. **Et bilde som inneholder tekst

Automatisk generert beskrivelse**

**Discussion**

Discuss your solutions. Did you do anything differently than how it was explained in the assignment sheet, in that case why and how did that work? Were there any pain points or problems? What did you learn from this assignment?

**Feedback**

Optional - give us feedback on the task if you have any. The assignment is new this semester and we would love to improve if there were any problems.