Homework

**1) Theory**

W3schools links:

<https://www.w3schools.com/sql/sql_insert.asp>

<https://www.w3schools.com/sql/sql_select.asp>

<https://www.w3schools.com/sql/sql_update.asp>

<https://www.w3schools.com/sql/sql_delete.asp>

<https://www.w3schools.com/sql/sql_join.asp>

<https://www.w3schools.com/sql/sql_union.asp>

<https://www.w3schools.com/sql/sql_groupby.asp>

<https://www.w3schools.com/sql/sql_having.asp>

Normalization of DB (3 normal forms), alternative article:

<https://www.geeksforgeeks.org/normal-forms-in-dbms/>

**2) Practical tasks**

1. Make text description of your DB entities and relationships
2. In separate .sql file implement next points:
3. 10 statements for insertion.
4. 10 statements for updating.
5. 10 statements for deletions.
6. 5 alter table.
7. 1 big statement to join all tables in the database.
8. 5 statements with left, right, inner, outer joins.
9. 7 statements with aggregate functions and group by and without having.
10. 7 statements with aggregate functions and group by and with having.