QUESTIONS

1. Create BANK database.
2. *(10 points)* Create two table which attributes are given as below:
   (a) CUSTOMER: `customer_id` *integer*, `name` *varchar*, `lastname` *varchar*, `registration_date` *date*
   (b) BRANCH: `branch_id` *integer*, `branch_name` *varchar*, `cash_hold` *float*, `foundation_date` *date*
3. *(20 points)* Create LOAN table that stores the loans acquired by the customers from the particular branch of the bank. Determine the attributes of the table. Justify your answer with comments.
4. *(15 points)* Choose primary and foreign keys depending on the relations in BANK database design. If there is no need for foreign key explain why. Justify your answer with comments.
5. *(5 points)* Populate each table with at least 5 different record.
6. *(10 points)* Show IDs of all customers who loaned from the second branch of the BANK.
7. *(10 points)* Add `score` attribute to CUSTOMER table. Add `liability` attribute to BRANCH table.
8. *(10 points)* Write a SQL command that automatically assigns all customers' `score` depends on their `registration_date`. Each year passed from the registration date, the customer gains 10 point. For example, the customer who is registered at `'2011-09-19'` owns 100 points.
   $((2021 - 2011) * 10 = 100)$
9. *(20 points)* Write a SQL command that automatically assigns all branchs' `liability` depends on the formula

$$\texttt{liability} = 100 * \frac{\text{age of branch}}{\texttt{cash\_hold}}$$

Note: Ensure that your programs are fully documented, using comments.