MySQL Triggers

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  - INSERT
  - UPDATE

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- this event must be related to the associated table and represented by one of the following three DML statements:

  - INSERT
  - UPDATE
  - DELETE

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- a trigger is a MySQL object that can "trigger" a specific action or calculation 'before' or 'after' an INSERT, UPDATE, or DELETE statement has been executed

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- often applied in practice, they provide data about the moment of
  the execution of a certain query

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  ➢ a new record in the "department manager" table

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  - ➤ annual salary should immediately become 20,000 dollars higher than the highest annual salary they'd ever earned until that moment
  - ➤ a new record in the "department manager" table
  - ➤ create a trigger that will apply several modifications to the "salaries" table once the relevant record in the "department manager" table has been inserted:

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  ➢ a new record in the "department manager" table
  ➢ create a trigger that will apply several modifications to the "salaries" table once the relevant record in the "department manager" table has been inserted:

    • make sure that the end date of the previously highest salary contract of that employee is the one from the execution of the insert statement

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a new employee has been promoted to a manager

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  the highest annual salary they'd ever earned until that moment
➢ a new record in the "department manager" table
➢ create a trigger that will apply several modifications to the
  "salaries" table once the relevant record in the "department
  manager" table has been inserted:

  • make sure that the end date of the previously highest salary contract
    of that employee is the one from the execution of the insert statement
  • insert a new record in the "salaries" table about the same employee
    that reflects their next contract as a manager

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- a start date the same as the new "from date" from the newly inserted record in "department manager"

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- let that be a contract of indefinite duration
  - you can display that as a contract ending on the 1st of January in the year 9999