Laboratory work #2

Please write SQL queries for the following tasks and save them in a `.sql` file.

Tasks:

1. **Create a new database** named `lab_2`.
2. **Create a table** called `employees` with the following columns:
    - `employee_id` (Primary Key, Auto Increment)
    - `first_name` (VARCHAR for storing employee first names)
    - `last_name` (VARCHAR for storing employee last names)
    - `department_id` (INTEGER)
    - `salary` (INTEGER)
3. **Insert a row** into the `employees` table with sample values for each column.
4. **Insert a row** providing values only for the `employee_id`, `first_name`, and `last_name` columns.
5. **Insert a row** where the `department_id` column is set to `NULL`.
6. **Insert five rows** at once into the `employees` table using a single `INSERT` statement.
7. **Set a default value** for the `first_name` column as `'John'`.
8. **Insert a new row** using the default value for the `first_name` column.
9. **Insert a row** where only default values are used for all columns.
10. **Create a duplicate** of the `employees` table, named `employees_archive`, including all its structure using the `LIKE` keyword.
11. **Copy all records** from the `employees` table into the `employees_archive` table.
12. **Update the salary** for employees who belong to the `department_id = NULL` to set their `department_id` as `1`.
13. **Increase the salary** of every employee by 15%. The query should return `first_name`, `last_name`, and the updated salary as `Updated Salary` (alias).
14. **Delete all employees** who have a salary of less than 50,000.
15. **Delete rows** from the `employees_archive` table if their `employee_id` is present in the `employees` table. The query should return the deleted rows.
16. **Delete all rows** from the `employees` table and return the deleted records.