**Report**

My database is created for a Car Shop. It is aimed at the staff and management of the store. It has 7 tables. They are: **Cars**, **Customers\_c, Employees\_c, Orders\_c, Orders\_consult, Orders\_status** and **Income tables.**

**First table Cars:**

There are four columns in Cars table: Car\_id, Car\_model, Car\_color, Rel\_date. This table about cars. Car\_id – unique identifier number of cars. All cars in this table is unique and there are no storages for cars, so there is no quantity of cars. Because after order cars will be imported from other countries. Car\_id – primary key of this table.

Car\_model – is model of car. Car\_color – is color of car, Rel\_date – is release date of this model of car. It is very simple.

**Normalization:**

1-norm: All fields in this table contain maximum one data or element;

2-norm: There is only one key column. So partial dependency is impossible.

3-norm: All non-key columns of this table depend on Car\_id key column.

**So, it is time to explain my triggers in this table. There is only one trigger. Same triggers will be used in other tables.**

AUTOID trigger just put the new inserting row with the right Car\_id. First, declares number type Max\_n value. And when insert row doesn’t have Car\_id column (What is right, because it is too long to check last Car\_id manually.) it is automatically look for last Car\_id, add 1 to this number and give it to Max\_n. Then just give max\_n value to new inserted row’s Car\_id field.

**Table Customers\_c:**

There are also four columns in this table. Cust\_id (Cust is from customer), Cast\_name (I miss clicked, so it’s should be cust\_name…), Cast\_phone and Cast\_address. This table contain info about clients of Car Shop. The address of customers will not be used in midterm. It is oriented to future.

Cust\_id - primary key of this table.

**Normalization:**

1-norm: All fields in this table contain maximum one data or element;

2-norm: There is only one key column. So partial dependency is impossible.

3-norm: All non-key columns of this table depend on Cust\_id key column.

**TIME OF TRIGGERS!**

**There is only one trigger and it is as same as in the Cars table’s AUTOID trigger. So pass it.**

**Table Employees\_c:**

There are four columns in this table. Emp\_id (Emp is from employee), Emp\_name, Cast\_phone and Emp\_salary. This table contain info about staff of Car Shop. I think that name of this columns help to understand aim of columns very easy.

Emp\_id - primary key of this table.

**Normalization:**

1-norm: All fields in this table contain maximum one data or element;

2-norm: There is only one key column. So partial dependency is impossible.

3-norm: All non-key columns of this table depend on Emp\_id key column.

**TIME OF TRIGGERS!**

**Oh, there are two triggers now! First trigger as same as AUTOID in the Cars table. So, pass and go to second one.**

**It is – Salary\_Report trigger! We declare three more values for our comfort. First – “sal” number type value. Sal takes the SUM of all employees’s salary. Second – “inc” number type value. It takes the Income of all orders, that have been done, and just SUM it. Simple, right? Third value is “ove”. It just take 40% of all Income value add minus from it “sal” and some value of wastes.**

**Table Orders\_c:**