



Engines

Access

Andy Zell collects data about engines in his free time. The collected data, tagged by semi-colons, are in file *mozdony.txt*. Save the solution of the exercises with the name given in brackets.

1. Create a database with name *mozdony*. Import the data from file *mozdony.txt* and save the table as ***mozdony***. The first line of the source file contains the field names. Do not add any new fields and set fields *sorozat* and *psz* to form the primary key together.

The meaning of the individual fields are:

<i>sorozat</i>	the naming of the „type” of the engine (string);
<i>psz</i>	track number, the identifier of engines of the same series (number);
<i>gyart_ev</i>	the year of manufacture of the engine (number);
<i>gyarto</i>	the name of the manufacturing company of the engine (string);
<i>tipus</i>	the naming used to mark differences within the series (string);
<i>allagba</i>	the date of the start of service, the date the engine was received by the owner (date);
<i>tulaj</i>	the owner of the engine (string).

2. Collect the data of the engines of GySEV in a query displaying the series, the track number, the year of manufacture, the start of service and the type. List the results in decreasing order according to the start of service. (**2gysev**)
3. The name was given incorrectly in some cases in the naming of the manufacturer. Create a query and then update entry “GANZ” to “Ganz MÁVAG” using this query. (**3ganz**)
4. Create a query about the number of engines appearing in the list from the different series according to manufacturers. (**4fajta**)
5. In many cases the naming of the type is missing. List those engines (series and track number) for which this data is not given. (**5ures**)
6. Give the most frequent year of manufacture for the engines owned by MÁV and the number of engines manufactured this year that MÁV owns using a query. (**6legtobb**)
7. The start of service was inaccurate in several cases. In these cases the start of service is New Year’s Eve of the given year (31 December). Collect the concerned engines (series and track number) and give the year of the start of service using a query. You can use date functions: YEAR(), MONTH(), DAY() in your solution. (**7dec31**)
8. Create a report about the engines of GySEV based on query 2gysev. In the report, display the data grouped in increasing order according to the year of manufacture, within this in increasing order according to the start of service. Use the namings of the following example in the heading of the report and the page. Ensure the complete visibility of the data. You can create a new query for the report. (**8gysev**)

GYSEV engines

<i>Year of manufacture</i>	<i>Start of service</i>	<i>Series</i>	<i>Tn</i>	<i>Type</i>
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