

Adatbázis rendszerek I.

BSc

6. Gyak.
2022. 10. 25

Készítette:
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Mérnökinformatikus
FO71M2

Miskolc, 2022

1. feladat Hozzon létre egy adatbázist: NEPTUNKOD

Hozza létre a táblákat SQL-ben az alábbi sémához.

The image shows a Windows 10 desktop environment. The primary focus is a Notepad++ text editor window titled "C:\Users\Golia\Desktop\6.8.9\FO71M2_6.1.sql - Notepad++". The editor displays a SQL script for creating a database schema. The script is written in Hungarian and includes comments explaining the purpose of each table and relationship. The tables created are "gyarto", "teszes", and "veszto". The script also defines relationships between these tables using foreign key constraints. The status bar at the bottom of the Notepad++ window indicates the file is a "Structured Query Language file" with a length of 1 869 characters and 82 lines. The desktop background is a standard Windows 10 taskbar with various application icons. The system clock in the bottom right corner shows the date as 2022.12.03 and the time as 13:06.

2. **feladat** Hozza létre a táblákat SQL-ben az alábbi sémához.

The image shows a Windows desktop environment. At the top, a taskbar contains various application icons including File Explorer, Edge, and several instances of a text editor. The active window is a text editor displaying a SQL script. The script is a PL/SQL block starting with a SET statement for SQL_MODE, followed by a START TRANSACTION, and then a SET statement for time_zone. It contains several comments in Hungarian, such as 'Adatbázis: 'fo1m2_2'', and SQL statements for creating tables: 'CREATE TABLE 'alkalmazs'', 'CREATE TABLE 'egysegok'', 'CREATE TABLE 'gyarto'', and 'CREATE TABLE 'komponens''. The script ends with a COMMIT statement. The bottom of the image shows the Windows taskbar with the Start button, a search bar, and a row of application icons. The system tray on the right shows the date and time as '2022. 12. 03.' and '13:06'.

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C:\Users\Golia\Desktop\6,8,9\FO71M2_1018\FO71M2_6.2.sql - Notepad++
Fájl Szerkesztés Keresés Nézet Kódolás Nyelv Beállítások Eszközök Makró Futtatás Bővítmények Ablakok ?

INSERT AUTO SQL.txt insert.sql uj 6 uj 1 uj 2 uj 3 uj 4 uj 5 FO71M2_6.1.sql FO71M2_6.2.sql

60 CREATE TABLE 'komponens' (
61     'TERMEK' int(11) DEFAULT NULL,
62     'ALKATRÉSZ' int(11) DEFAULT NULL,
63     ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
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80 CREATE TABLE 'termek' (
81     'TRGD' int(11) NOT NULL,
82     'REV' char(50) DEFAULT NULL,
83     'EAR' int(11) DEFAULT NULL CHECK ('EAR' > 0),
84     'GYARTO' int(11) DEFAULT NULL,
85     'DESCRIPTION' text DEFAULT NULL,
86     ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
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Structured Query Language file length: 3 451 lines: 150 Ln: 1 Col: 1 Pos: 1 Unix (LF) UTF-8 INS 13:07 2022.12.03.

C:\Users\Golia\Desktop\6,8,9\FO71M2_1018\FO71M2_6.2.sql - Notepad++
Fájl Szerkesztés Keresés Nézet Kódolás Nyelv Beállítások Eszközök Makró Futtatás Bővítmények Ablakok ?

INSERT AUTO SQL.txt insert.sql uj 6 uj 1 uj 2 uj 3 uj 4 uj 5 FO71M2_6.1.sql FO71M2_6.2.sql

134 ALTER TABLE 'alkatrész'
135     ADD PRIMARY KEY ('AKOD');
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Structured Query Language file length: 3 451 lines: 150 Ln: 1 Col: 1 Pos: 1 Unix (LF) UTF-8 INS 13:07 2022.12.03.
```

3. feladat Hozza létre a táblákat SQL-ben az alábbi ER sémához úgy, hogy kiemeli a PK, FK megkötéseket.

2. feladat Hozza létre a táblákat SQL-
3. feladat Hozza létre a táblákat SQL-
űgy, hogy kiemeli a PK, FK megkö

Normal text file length: 221 lines: 5

Normal text file length: 221 lines: 5

4. feladat

Adott az alábbi tábla:

CREATE TABLE termek (tkod INT PRIMARY KEY, nev VARCHAR2(50) NOT NULL, ear INT CHECK (EAR > 0), kategoria CHAR(20));

Vigyen fel 5 rekordot a táblába.

Normal text file length: 116 lines: 1

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abbi tábla:

CREATE TABLE termek (tkod INT PRIMARY KEY, nev VARCHAR(50) NOT NULL, ear INT CHECK (EAR > 0), categoria CHAR(20));

5 rekordot a táblába.

tkod	nev	ear	kategoria
1	lapát	2000	K1
2	seprű	4000	K1
3	mosogató gél	1500	K2
4	szappan	1000	K2
5	pohár	2400	K3

epitunkod_6.4.sql

XAMPP for Windows - mysql.exe -u root

```
-->;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near '(50) NOT NULL, ear INT CHECK (EAR > 0), categoria CHAR(20))' at line 1
MariaDB [FO71M2_project1]> CREATE TABLE termek (tkod INT PRIMARY KEY, nev VARCHAR(50) NOT NULL, ear INT CHECK (EAR > 0), categoria CHAR(20));
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near '(50) NOT NULL, ear INT CHECK (EAR > 0), categoria CHAR(20))' at line 1
MariaDB [FO71M2_project1]> CREATE TABLE termek (tkod INT PRIMARY KEY, nev VARCHAR(50) NOT NULL, ear INT CHECK (EAR > 0), categoria CHAR(20));
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near '(50) NOT NULL, ear INT CHECK (EAR > 0), categoria CHAR(20))' at line 1
MariaDB [FO71M2_project1]> CREATE TABLE termek (tkod INT PRIMARY KEY, nev VARCHAR(50) NOT NULL, ear INT CHECK (ear > 0), categoria CHAR(20));
Query OK, 0 rows affected (0.018 sec)

MariaDB [FO71M2_project1]> show tables;
+-----+
| Tables_in_fo71m2_project1 |
+-----+
| befizetes                  |
| resztvevo                 |
| tanfolyam                 |
| termek                    |
+-----+
4 rows in set (0.001 sec)

MariaDB [FO71M2_project1]> show tables;
+-----+
| Tables_in_fo71m2_project1 |
+-----+
| befizetes                  |
| resztvevo                 |
| tanfolyam                 |
| termek                    |
+-----+
4 rows in set (0.001 sec)

MariaDB [FO71M2_project1]> INSERT INTO `termek` (`tkod`,`nev`,`ear`,`ka
tategoria`)
-> VALUES('1','lapát','2000','K1'),
-> ('2','seprű','FEKETE','4000','K1'),
-> ('3','mosogató gél','1500','K2'),
-> ('4','szappan','1000','K2'),
-> ('5','pohár','2400','K3')
->;
ERROR 1136 (21S01): Column count doesn't match value count at row 2
MariaDB [FO71M2_project1]> INSERT INTO `termek` (`tkod`,`nev`,`ear`,`ka
tategoria`)
-> VALUES('1','lapát','2000','K1'),
-> ('2','seprű','FEKETE','4000','K1'),
-> ('3','mosogató gél','1500','K2'),
-> ('4','szappan','1000','K2'),
-> ('5','pohár','2400','K3')
->;
ERROR 1136 (21S01): Column count doesn't match value count at row 2
MariaDB [FO71M2_project1]> INSERT INTO `termek` (`tkod`,`nev`,`ear`,`ka
tategoria`)
-> VALUES('1','lapát','2000','K1'),
-> ('2','seprű','4000','K1'),
-> ('3','mosogató gél','1500','K2'),
-> ('4','szappan','1000','K2'),
-> ('5','pohár','2400','K3')
->;
Query OK, 5 rows affected, 4 warnings (0.002 sec)
Records: 5 Duplicates: 0 Warnings: 4

MariaDB [FO71M2_project1]>
```