632-guruh talabasi Toxirov Raxmatillo

15-16.Laboratoriya ishi

Mavzu: Bir necha jadvallarni birlashtirish, ‘join’ lar bilan ishlash.

Ishdan maqsad: Bir necha jadvallarni birlashtirish, ‘join’ lar bilan ishlash bo`yicha ko`nikmaga ega bo`lish.

Masalani qo`yilishi: Berilgan predmet soha ma`lumotlar bazasidagi barcha ob`yektlarni ustida ‘join’ asosida amallarini bajarish.

Uslubiy ko`rsatmalar: Ichki birlashish, INNER JOIN

INNER JOIN - bu ikkita jadval orasidagi ichki birlashish operatori. Bu nosimmetrikdir, shuning uchun operator uchun jadvallarning tartibi muhim emas. INNER JOIN asosiy va birlashgan jadvallardagi yozuvlar o'rtasida yozishmalar mavjud bo'lgan satrlarni olish uchun ishlatiladi. Natijani yaratish algoritmi: asosiy jadvalning har bir qatori birlashtirilgan jadvalning har bir satriga joylashtirilgan. Shundan so'ng, ulanish holati tekshiriladi. Agar shart to'g'ri bo'lsa, natijalar to'plamiga "ulangan" qator qo'shiladi.

Enter password:

Welcome to the MySQL monitor. Commands end with ; or \g.

Your MySQL connection id is 2

Server version: 5.5.23 MySQL Community Server (GPL)

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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql>

mysql> show databases;

+--------------------+

| Database |

+--------------------+

| information\_schema |

| mysql |

| performance\_schema |

| sinovga |

| talaba |

| test |

+--------------------+

6 rows in set (0.00 sec)

mysql> use talaba;

Database changed

mysql> show tables;

+---------------------+

| Tables\_in\_talaba |

+---------------------+

| fakultet\_jadvali |

| kafedra\_jadval |

| oquv\_guruhi |

| ozlashtirish\_metodi |

| talabalar\_jadvali |

+---------------------+

5 rows in set (0.00 sec)

mysql> select \* from oquv\_guruhi;

+------------+----------+------------+-------------+----------------------+---------------+

| guruh\_nomi | guruh\_id | qabul\_yili | oqish\_kursi | guruh\_talabalar\_soni | partalar\_soni |

+------------+----------+------------+-------------+----------------------+---------------+

| 632-20 | 1 | 2020 | 2 | 19 | 25 |

| 621-20 | 2 | 2020 | 2 | 22 | 23 |

| 643-21 | 3 | 2021 | 1 | 25 | 25 |

| 643-19 | 4 | 2019 | 3 | 20 | 21 |

| 520-18 | 5 | 2018 | 4 | 20 | 30 |

+------------+----------+------------+-------------+----------------------+---------------+

5 rows in set (0.27 sec)

mysql> select \* from talabalar\_jadvali;

+-----------+------------+-------------+--------------+--------+---------------+-------+---------+--------------+

| talaba\_id | familiya | ism | otasini\_ismi | guruh | tugilgan\_yili | jinsi | manzili | telefon |

+-----------+------------+-------------+--------------+--------+---------------+-------+---------+--------------+

| 1 | Toxirov | Raxmatillo | U | 632-20 | 2003 | erkak | Asaka | 99\_499\_22\_09 |

| 2 | axmadjonov | shaxboz | t | 632-20 | 2002 | erkak | riston | 99\_291\_25\_00 |

| 3 | torayev | usmon | j | 652-18 | 1999 | erkak | quva | 993422523 |

| 4 | urunov | nozim | L | 616-20 | 2002 | erkak | fargona | 907452984 |

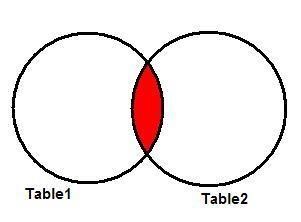
| 5 | axmadjonov | dsoton | g | 623-21 | 2004 | erkak | quva | 993457423 |

| 6 | Ganijonov | Kozimjon | U | 652-18 | 1999 | erkak | Asaka | 998995160063 |

+-----------+------------+-------------+--------------+--------+---------------+-------+---------+--------------+

6 rows in set (0.07 sec)

INNERJOIN



mysql> select oquv\_guruhi.guruh\_id , talabalar\_jadvali.familiya , talabalar\_jadvali.ism

-> from oquv\_guruhi

-> inner join talabalar\_jadvali on talabalar\_jadvali.guruh = oquv\_guruhi.guruh\_nomi;

+----------+------------+-------------+

| guruh\_id | familiya | ism |

+----------+------------+-------------+

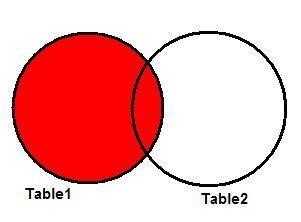
| 1 | Toxirov | Raxmatillo |

| 1 | axmadjonov | shaxboz |

+----------+------------+-------------+

2 rows in set (0.00 sec)

# LEFT JOIN



mysql> select oquv\_guruhi.guruh\_id , talabalar\_jadvali.familiya , talabalar\_jadvali.ism

-> from oquv\_guruhi

-> left join talabalar\_jadvali on talabalar\_jadvali.guruh = oquv\_guruhi.guruh\_nomi;

+----------+------------+-------------+

| guruh\_id | familiya | ism |

+----------+------------+-------------+

| 1 | Toxirov | Raxmatillo |

| 1 | axmadjonov | shaxboz |

| 2 | NULL | NULL |

| 3 | NULL | NULL |

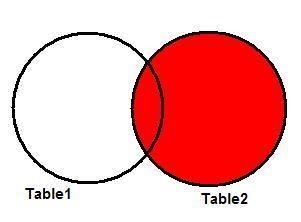
| 4 | NULL | NULL |

| 5 | NULL | NULL |

+----------+------------+-------------+

6 rows in set (0.00 sec)

# RIGHT JOIN



mysql> select oquv\_guruhi.guruh\_id , talabalar\_jadvali.familiya , talabalar\_jadvali.ism

-> from oquv\_guruhi

-> right join talabalar\_jadvali on talabalar\_jadvali.guruh = oquv\_guruhi.guruh\_nomi;

+----------+------------+-------------+

| guruh\_id | familiya | ism |

+----------+------------+-------------+

| 1 | Toxirov | Raxmatillo |

| 1 | axmadjonov | shaxboz |

| NULL | torayev | usmon |

| NULL | urunov | nozim |

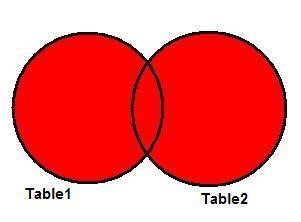
| NULL | axmadjonov | dsoton |

| NULL | Ganijonov | Kozimjon |

+----------+------------+-------------+

6 rows in set (0.00 sec)

CROSS JOIN



mysql> select oquv\_guruhi.guruh\_nomi, talabalar\_jadvali.familiya , talabalar\_jadvali.ism, talabalar\_jadvali.manzili

-> from oquv\_guruhi

-> right join talabalar\_jadvali on talabalar\_jadvali.guruh = oquv\_guruhi.guruh\_nomi;

+------------+------------+-------------+---------+

| guruh\_nomi | familiya | ism | manzili |

+------------+------------+-------------+---------+

| 632-20 | Toxirov | Raxmatillo | Asaka |

| 632-20 | axmadjonov | shaxboz | riston |

| NULL | torayev | usmon | quva |

| NULL | urunov | nozim | fargona |

| NULL | axmadjonov | dsoton | quva |

| NULL | Ganijonov | Kozimjon | Asaka |

+------------+------------+-------------+---------+

6 rows in set (0.00 sec)

mysql> select oquv\_guruhi.guruh\_nomi, talabalar\_jadvali.familiya , talabalar\_jadvali.ism, talabalar\_jadvali.manzili

-> from oquv\_guruhi

-> cross join talabalar\_jadvali ;

+------------+------------+-------------+---------+

| guruh\_nomi | familiya | ism | manzili |

+------------+------------+-------------+---------+

| 632-20 | Toxirov | Raxmatillo | Asaka |

| 621-20 | Toxirov | Raxmatillo | Asaka |

| 643-21 | Toxirov | Raxmatillo | Asaka |

| 643-19 | Toxirov | Raxmatillo | Asaka |

| 520-18 | Toxirov | Raxmatillo | Asaka |

| 632-20 | axmadjonov | shaxboz | riston |

| 621-20 | axmadjonov | shaxboz | riston |

| 643-21 | axmadjonov | shaxboz | riston |

| 643-19 | axmadjonov | shaxboz | riston |

| 520-18 | axmadjonov | shaxboz | riston |

| 632-20 | torayev | usmon | quva |

| 621-20 | torayev | usmon | quva |

| 643-21 | torayev | usmon | quva |

| 643-19 | torayev | usmon | quva |

| 520-18 | torayev | usmon | quva |

| 632-20 | urunov | nozim | fargona |

| 621-20 | urunov | nozim | fargona |

| 643-21 | urunov | nozim | fargona |

| 643-19 | urunov | nozim | fargona |

| 520-18 | urunov | nozim | fargona |

| 632-20 | axmadjonov | dsoton | quva |

| 621-20 | axmadjonov | dsoton | quva |

| 643-21 | axmadjonov | dsoton | quva |

| 643-19 | axmadjonov | dsoton | quva |

| 520-18 | axmadjonov | dsoton | quva |

| 632-20 | Ganijonov | Kozimjon | Asaka |

| 621-20 | Ganijonov | Kozimjon | Asaka |

| 643-21 | Ganijonov | Kozimjon | Asaka |

| 643-19 | Ganijonov | Kozimjon | Asaka |

| 520-18 | Ganijonov | Kozimjon | Asaka |

+------------+------------+-------------+---------+

30 rows in set (0.00 sec)

mysql>