

7. BETWEEN, IN, LIKE

Operatorlari

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BETWEEN - operatori berilgan diapazondagi qiymatlarni tanlaydi. Qiymatlar raqamlar, matn yoki sana bo'lishi mumkin.

Ishlatilishi

```
SELECT column_name
FROM table_name
WHERE column_name BETWEEN value1 AND value2;
```

```
SELECT *
FROM talabalar
WHERE tartib_raqami BETWEEN 20 AND 30
```

tartib_raqami	fio	t_sanasi	guruh	bosqich	shartnoma_turi
26	Abdullayeva Nilufar	1999-06-03	971-20	4	Kontrakt
29	Abdullayeva Orzigul	2002-09-07	931-23	1	Kontrakt
25	Qurbaniyazov Nazarbek	2003-03-30	911-23	1	Grant

IN - operatori bir nechta OR shartlarining qisqartmasi.

IN operatori WHERE bandida bir nechta qiymatlarni belgilash imkonini beradi.

Ishlatilishi

```
SELECT column_name
FROM table_name
WHERE column_name IN (value1, value2, ...);
```

SELECT *
FROM talabalar
WHERE fio IN (“Abdullayeva Nilufar”, “Xabibullayev Abrorbek”, “Tajiyeva Umida”)

tartib_raqami	fio	t_sanasi	guruh	bosqich	shartnoma_turi
2	Xabibullayev Abrorbek	2000-08-04	911-21	3	Grant
26	Abdullayeva Nilufar	1999-06-03	971-20	4	Kontrakt
41	Tajiyeva Umida	1999-10-25	951-21	3	Kontrakt

LIKE - operatori WHERE bandida matning ixtiyoriy qismidan qidirish uchun ishlataladi.

LIKE operatori bilan birgalikda ishlataladigan ikkita belgi mavjud:

Foiz belgisi (%) bitta yoki bir nechta belgilarni ifodalaydi

Pastki chiziq belgisi (_) bitta belgini bildiradi

Foiz belgisi va pastki chiziq birgalikda ham ishlatalishi mumkin!

Ishlatilishi

```
SELECT column_name
```

```
FROM table_name
```

```
WHERE column_name LIKE “_text%”
```

```
SELECT *
FROM talabalar
WHERE fio LIKE "Ab%"
```

tartib_raqami	fio	t_sanasi	guruh	bosqich	shartnoma_turi
26	Abdullayeva Nilufar	1999-06-03	971-20	4	Kontrakt
29	Abdullayeva Orzигul	2002-09-07	931-23	1	Kontrakt

SELECT *
FROM talabalar
WHERE fio LIKE "%bek"

tartib_raqami	fio	t_sanasi	guruh	bosqich	shartnoma_turi
5	Bekchanov Asadbek	1997-03-29	961-20	4	Grant
2	Xabibullayev Abrorbek	2000-08-04	911-21	3	Grant
39	Raximberganov Temurbek	2001-10-05	912-21	3	Kontrakt
8	Sotliqov Dastonbek	2004-08-22	971-22	2	Grant
9	Kuchkarov Dilshodbek	1999-06-11	911-21	3	Kontrakt
25	Qurbaniyazov Nazarbek	2003-03-30	911-23	1	Grant

```
SELECT *  
FROM talabalar  
WHERE fio LIKE "O'rinov _alilla"
```

tartib_raqami	fio	t_sanasi	guruh	bosqich	shartnoma_turi
43	O'rinov Xalilla	2000-01-10	912-21	3	Grant

SELECT *
FROM talabalar
WHERE fio LIKE “%ва %”

tartib_raqami	fio	t_sanasi	guruh	bosqich	shartnoma_turi
34	Kamolova Shohista	1999-02-13	951-21	3	Kontrakt
26	Abdullayeva Nilufar	1999-06-03	971-20	4	Kontrakt
41	Tajiyeva Umida	1999-10-25	951-21	3	Kontrakt
29	Abdullayeva Orzигul	2002-09-07	931-23	1	Kontrakt

**DISTINCT,
LIMIT,
OFFSET,
ORDER BY**

kalit so‘zlari

SELECT DISTINCT ishlatishda faqat aniq (turli) qiymatlarni qaytarish uchun ishlataladi.

Jadval ichida ustun ko'pincha ko'p takroriy qiymatlarni o'z ichiga oladi va ba'zan siz faqat turli (aniq) qiymatlarni ro'yxatga olishni xohlaysiz.

Ishlatilishi

```
SELECT DISTINCT column_name  
FROM table_name
```

```
SELECT DISTINCT guruh  
FROM talabalar
```

guruh
961-20
951-21
911-21
971-22
971-20
912-21
932-20
931-23
921-21
911-23

LIMIT kalit so‘zi qaytariladigan natijalar qatorlari sonini cheklash uchun ishlatiladi.

LIMIT kalit so‘zi minglab yozuvlarga ega katta jadvallarda foydalidir. Ko‘p sonli yozuvlarni qaytarish ishlashga ta’sir qilishi mumkin.

Ishlatilishi

```
SELECT column_name
FROM table_name
WHERE condition
LIMIT number;
```

```
SELECT *
FROM talabalar
LIMIT 5;
```

tartib_raqami	fio	T_sanasi	guruh	bosqich	shartnoma_turi
5	Bekchanov Asadbek	1997-03-29	961-20	4	Grant
34	Kamolova Shohista	1999-02-13	951-21	3	Kontrakt
2	Xabibullayev Abrorbek	2000-08-04	911-21	3	Grant
1	Ismoilov Abdulla	1998-02-24	971-22	2	Grant
26	Abdullayeva Nilufar	1999-06-03	971-20	4	Kontrakt

```
SELECT *
FROM talabalar
LIMIT 10, 5;
```

tartib_raqami	fio	T_sanasi	guruh	bosqich	shartnoma_turi
9	Kuchkarov Dilshodbek	1999-06-11	911-21	3	Kontrakt
29	Abdullayeva Orzигul	2002-09-07	931-23	1	Kontrakt
37	Nurullayev Temur	2002-09-25	961-20	4	Kontrakt
12	Samandarov Egamberdi	2000-12-03	911-21	3	Kontrakt
10	Artikov Doniyor	2001-05-28	921-21	3	Kontrakt

ORDER BY kalit so'zi natijalar to'plamini o'sish yoki kamayish tartibida chiqarish uchun ishlataladi.

ORDER BY kalit so'zini ishlatalishni ikkita usuli mavjud **ASC** va **DESC**

ASC – o'sish tartibida chiqarish

DESC – kamayish tartibida chiqarish

Agar tartiblash usuli ko'rsatilmasa u o'sish(**ASC**) tartibida ishlaydi

Ishlatilishi

```
SELECT *
FROM table_name
ORDER BY column_name ASC|DESC;
```

SELECT *
FROM talabalar
ORDER BY fio ASC

tartib_raqami	fio	t_sanasi	guruh	bosqich	shartnoma_turi
26	Abdullayeva Nilufar	03.06.1999	971-20	4	Kontrakt
29	Abdullayeva Orzигul	07.09.2002	931-23	1	Kontrakt
10	Artikov Doniyor	28.05.2001	921-21	3	Kontrakt
5	Bekchanov Asadbek	29.03.1997	961-20	4	Grant
1	Ismoilov Abdulla	24.02.1998	971-22	2	Grant
34	Kamolova Shohista	13.02.1999	951-21	3	Kontrakt
9	Kuchkarov Dilshodbek	11.06.1999	911-21	3	Kontrakt
31	Norimbetov Ro'Zimboy	10.07.2002	932-20	4	Kontrakt
37	Nurullayev Temur	25.09.2002	961-20	4	Kontrakt
43	O'rинov Xalilla	10.01.2000	912-21	3	Grant
25	Qurbaniyazov Nazarbek	30.03.2003	911-23	1	Grant
39	Raximberganov Temurbek	05.10.2001	912-21	3	Kontrakt
12	Samandarov Egamberdi	03.12.2000	911-21	3	Kontrakt
8	Sotliqov Dastonbek	22.08.2004	971-22	2	Grant
41	Tajiyeva Umida	25.10.1999	951-21	3	Kontrakt
2	Xabibullayev Abrorbek	04.08.2000	911-21	3	Grant

So‘rovdagи ketma-ketliklar

```
SELECT DISTINCT column_name  
FROM table_name  
WHERE condition (BETWEEN, IN, LIKE)  
ORDER BY column_name  
LIMIT number  
OFFSET number;
```

A photograph of a classroom with red desks and chairs. Ten students are shown, all with their heads down on their desks, appearing to be asleep. They are of various ages and ethnicities, wearing casual clothing. The scene conveys a sense of exhaustion or lack of engagement.

SAVOLLAR?