

a) select all fields from universities

The screenshot shows a MySQL IDE interface with the following components:

- Database Explorer:** Displays the database structure. The 'Universities' database is selected, showing a table named 'Universities'.
- Query Editor:** Contains the SQL query `SELECT * FROM Universities;` in the 'console_3' tab.
- Output Panel:** Shows the execution result of the query. It displays 6 rows of data with columns 'Id', 'UniName', and 'City'.
- Services Panel:** Lists various database services and their execution times, including 'console_3' (71 ms).
- Status Bar:** Indicates the current file is 'Current File', the connection is 'Connected (15.02.2024, 18:42)', and the query is '1:1 (27 chars) LF UTF-8 4 spaces'.

Id	UniName	City
1	Київський національний університет	Київ
2	Харківський національний університет	Харків
3	Донецький національний університет	Вінниця
4	Сумський державний університет	Суми
5	Національний університет "Львівська політехніка"	Львів
6	Національний авіаційний університет	Київ

b) select only the names and surnames of students

The screenshot shows a database IDE interface with the following components:

- Database Explorer:** Displays a tree view of the database structure. The 'Universities' database is expanded, showing a table named 'Students'.
- SQL Editor:** Contains the query `SELECT Name, Surname FROM Students;`. The query is executed, and the results are displayed in the Output panel.
- Output Panel:** Shows the results of the query in a table format. The table has two columns: 'Name' and 'Surname'. The results are listed in 240 rows.
- Bottom Panel:** Contains tabs for 'Version Control', 'TODO', 'Problems', 'Services', 'SQL Generator', and 'Database Changes'. The 'Services' tab is active, showing a list of database connections and their execution times.

The results of the query are as follows:

	Name	Surname
1	Іван	Петренко
2	Анна	Коваленко
3	Олександр	Шевчук
4	Марія	Ткачук
5	Дмитро	Кравчук
6	Олена	Лисенко
7	Тарас	Григоренко
8	Вікторія	Сидорчук
9	Артем	Мельник
10	Юлія	Жук
11	Сергій	Козлов
12	Владислава	Білас
13	Максим	Павлюк
14	Ірина	Мороз
15	Василь	Ткач
16	Наталія	Кучер
17	Роман	Василенко
18	Оксана	Дубовик
19	Павло	Климчук
20	Лідія	Федорова
21	Богдан	Тарасюк

c) select only those students whose name is "Іван"

The screenshot shows a MySQL IDE interface with the following components:

- Database Explorer:** Displays the database structure. The 'Students' table is selected under the 'Universities' database.
- Query Editor:** Contains the following SQL queries:

```
1 SELECT * FROM Universities;
2
3 SELECT Name, Surname FROM Students;
4
5 SELECT * from Students where Name = 'Іван';
6
```
- Output Panel:** Shows the results of the third query. It displays 4 rows of data with columns: Id, Name, Surname, Age, and GroupId.
- Services Panel:** Lists various database services and their execution times.

Id	Name	Surname	Age	GroupId
1	Іван	Петренко	20	1
2	Іван	Франко	18	20
3	Іван	Грищенко	19	32
4	Іван	Коваленко	17	57

Services Panel:

- Database
 - qa@localhost
 - default 1 s 533 ms
 - console_3 64 ms
 - console_3 64 ms
 - breeds 42 ms
 - console
 - Students 183 ms
 - Students 183 ms
 - console 85 ms
 - console_2 78 ms
 - console_2 78 ms
 - console_1 167 ms
 - console_1 167 ms

d) select only those groups whose numbers are more than 300

The screenshot shows a MySQL IDE interface with the following components:

- Database Explorer:** Shows a tree view of the database structure. The 'Universities' database is selected, and the 'Groups' table is visible under the 'tables' folder.
- SQL Editor:** Contains the query: `SELECT GroupNumber FROM `Groups` where GroupNumber >300 ;`
- Output Panel:** Displays the results of the query. The results are shown in a table with one column, 'GroupNumber', and 36 rows. The first 21 rows are visible, showing values ranging from 301 to 401.
- Services Panel:** Lists various database services and their execution times. The 'console_3' service is highlighted.
- Status Bar:** At the bottom, it indicates '36 rows retrieved starting from 1 in 55 ms (execution: 13 ms, fetching: 42 ms)'.

GroupNumber
301
302
401
402
501
502
301
302
401
402
501
502
301
302
401
402
501
502
301
302
401

e) select only those universities that contain the letter “Y” in their name.

The screenshot shows a MySQL IDE interface with the following components:

- Database Explorer:** Displays the database structure for 'qa@localhost'. It shows a database 'DB2' containing a table 'Universities' with columns 'Id', 'UniName', and 'City'.
- SQL Editor:** Contains the query: `SELECT * FROM Universities WHERE UniName LIKE '%Y%';`
- Output Panel:** Shows the results of the query in a table with 6 rows. The columns are 'Id', 'UniName', and 'City'.
- Services Panel:** Lists various database services and their connection times.
- Status Bar:** Indicates the current file is 'Current File', the connection is 'Connected (15.02.2024, 18:42)', and the file encoding is 'UTF-8'.

Id	UniName	City
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2	Харківський національний університет	Харків
3	Донецький національний університет	Вінниця
4	Сумський державний університет	Суми
5	Національний університет "Львівська політехніка"	Львів
6	Національний авіаційний університет	Київ