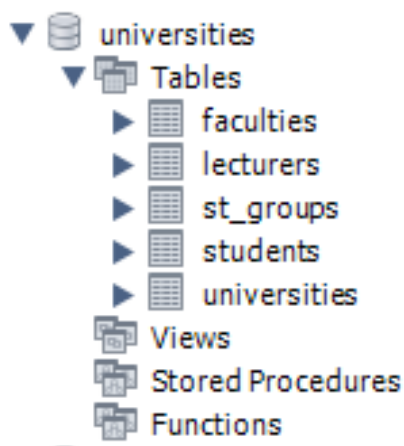


1. In the databases, create the tables Universities, Faculties, Teachers, Students, Groups, and links between them and fill them with data.



university_id	name_of_university	Accreditation
1	V. N. Karazin Kharkiv National University	IV level
2	Kyiv National University of Culture and Arts	IV level
NULL	NULL	NULL

university_id	name_of_university	Accreditation
1	V. N. Karazin Kharkiv National University	IV level
2	Kyiv National University of Culture and Arts	IV level
NULL	NULL	NULL

university_id	name_of_university	Accreditation
1	V. N. Karazin Kharkiv National University	IV level
2	Kyiv National University of Culture and Arts	IV level
NULL	NULL	NULL

university_id	name_of_university	Accreditation
1	V. N. Karazin Kharkiv National University	IV level
2	Kyiv National University of Culture and Arts	IV level
NULL	NULL	NULL

st_group_id	name_of_group	faculty_id	university_id
1	MANAGE11	1	1
2	IT22	2	1
3	REST33	3	2
4	ACTOR44	4	2
NULL	NULL	NULL	NULL

st_group_id	name_of_group	faculty_id	university_id
1	MANAGE11	1	1
2	IT22	2	1
3	REST33	3	2
4	ACTOR44	4	2
NULL	NULL	NULL	NULL

Lecturer_id	name_of_Lecturer	last_name	university_id	st_group_id
1	Levi	Ackerman	2	3
2	Hange	Zoë	1	2
3	Erwin	Smith	2	4
4	Dot	Pixis	1	1
NULL	NULL	NULL	NULL	NULL

Student_id	name_of_Student	last_name	university_id	faculty_id	st_group_id
1	Reiner	Braun	2	4	4
2	Annie	Leonhart	1	2	2
3	Armin	Arlert	1	1	1
4	Bertolt	Hoover	1	2	2
5	Jean	Kirstein	1	1	1
6	Connie	Springer	2	3	3
7	Sasha	Blouse	2	3	3
8	Mikasa	Ackerman	1	2	2
9	Eren	Yeager	1	2	2
10	Marco	Bott	1	1	1
11	Historia	Reiss	2	4	4
12	Ymir	Reiss	2	4	4
13	Hitch	Dreyse	2	3	3
14	Floch	Forster	1	1	1
15	Marlowe	Freudenb...	2	3	3
16	Franz	Kefka	2	4	4
NULL	NULL	NULL	NULL	NULL	NULL

112 • `SELECT Lecturer_id, name_of_Lecturer, last_name, university_id, st_group_id FROM universities.lecturers WHERE name_of_Lecturer = 'Ivan';`

Result Grid					
Filter Rows: <input type="text"/>					
Edit:					
Export/Import:					
Wrap Cell Content:					
Lecturer_id	name_of_Lecturer	last_name	university_id	st_group_id	
*	NULL	NULL	NULL	NULL	

d.

116 • `SELECT * FROM universities.st_groups WHERE name_of_group > 3;`

Result Grid				
Filter Rows: <input type="text"/>				
Edit:				
Export/Import:				
st_group_id	name_of_group	faculty_Id	university_Id	
5	3355	1	1	
*	NULL	NULL	NULL	

e.

114 • `SELECT * FROM universities.universities WHERE name_of_university LIKE '%a%';`

Result Grid			
Filter Rows: <input type="text"/>			
Edit:			
Export/Import:			
Wrap Cell Con			
university_id	name_of_university	Accreditation	
1	V. N. Karazin Kharkiv National University	IV level	
2	Kyiv National University of Culture and Arts	IV level	
*	NULL	NULL	

3. Create a request with aggregate functions

127 • `SELECT AVG(faculty_id) FROM universities.students;`
128

Result Grid	
Filter Rows: <input type="text"/>	
Export:	
Wrap Cell C	
AVG(faculty_id)	
2.5000	

121 • `SELECT COUNT(name_of_Student) as names_with_r FROM universities.students WHERE name_of_student LIKE "%r%";`

Result Grid	
Filter Rows: <input type="text"/>	
Export:	
Wrap Cell Content:	
names_with_r	
9	

135 • `SELECT * FROM universities.students ORDER BY name_of_Student DESC;`

Result Grid | Filter Rows: | Edit: | Export/Import: |

	Student_id	name_of_Student	last_name	university_Id	faculty_Id	st_group_id
▶	12	Ymir	Reiss	2	4	4
	7	Sasha	Blouse	2	3	3
	1	Reiner	Braun	2	4	4
	8	Mikasa	Ackerman	1	2	2
	15	Marlowe	Freudenberg	2	3	3
	10	Marco	Bott	1	1	1
	5	Jean	Kirstein	1	1	1
	13	Hitch	Dreyse	2	3	3
	11	Historia	Reiss	2	4	4
	16	Franz	Kefka	2	4	4
	14	Floch	Forster	1	1	1
	9	Eren	Yeager	1	2	2
	6	Connie	Springer	2	3	3
	4	Bertolt	Hoover	1	2	2
	3	Armin	Arlert	1	1	1
	2	Annie	Leonhart	1	2	2
*	NULL	NULL	NULL	NULL	NULL	NULL

students 9 x

131 • `SELECT COUNT(st_group_id), st_group_id FROM universities.students group by st_group_id;`

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

	COUNT(st_group_id)	st_group_id
▶	4	1
	4	2
	4	3
	4	4

5.Create a request to join the students and groups tables using join

137 • `SELECT * FROM universities.St_groups INNER JOIN universities.students ON universities.St_groups.university_id = universities.students.university_Id;`

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

	st_group_id	name_of_group	faculty_Id	university_Id	Student_id	name_of_Student	last_name	university_Id	faculty_Id	st_group_id
▶	1	MANAGE11	1	1	2	Annie	Leonhart	1	2	2
	1	MANAGE11	1	1	3	Armin	Arlert	1	1	1
	1	MANAGE11	1	1	4	Bertolt	Hoover	1	2	2
	1	MANAGE11	1	1	5	Jean	Kirstein	1	1	1
	1	MANAGE11	1	1	8	Mikasa	Ackerman	1	2	2
	1	MANAGE11	1	1	9	Eren	Yeager	1	2	2
	1	MANAGE11	1	1	10	Marco	Bott	1	1	1
	1	MANAGE11	1	1	14	Floch	Forster	1	1	1
	2	IT22	2	1	2	Annie	Leonhart	1	2	2
	2	IT22	2	1	3	Armin	Arlert	1	1	1
	2	IT22	2	1	4	Bertolt	Hoover	1	2	2
	2	IT22	2	1	5	Jean	Kirstein	1	1	1
	2	IT22	2	1	8	Mikasa	Ackerman	1	2	2
	2	IT22	2	1	9	Eren	Yeager	1	2	2
	2	IT22	2	1	10	Marco	Bott	1	1	1
	2	IT22	2	1	14	Floch	Forster	1	1	1
	3	REST33	3	2	1	Reiner	Braun	2	4	4
	3	REST33	3	2	6	Connie	Springer	2	3	3
	3	REST33	3	2	7	Sasha	Blouse	2	3	3

Result 16 x