MySQL

On this link you can download the database, that has already been prepared for you:
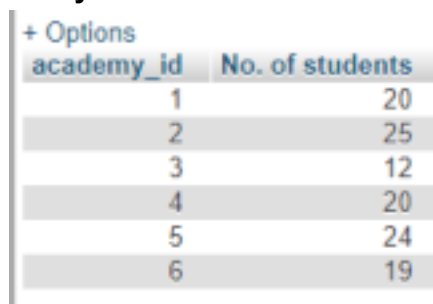
After you download the database, in your phpmyadmin you will have to create a database with the name **academy.**

Select the database, and click on the Import button. Then on the choose button you can upload the database that you have downloaded before.
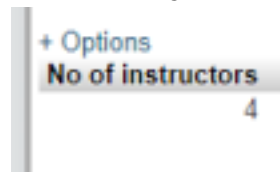
When all of your tables and data get set up. You can start working on the solutions of the questions below.

1. How many students are there in each academy?

academy_id	No. of students
1	20
2	25
3	12
4	20
5	24
6	19

2. How many students does the Fullstack academy have?

No of instructors
4

3. How many students with the same first name are there?

firstname	no_of_occurences
Electra	2
Fernanda	2
Nat	2
Silvana	2

4. Get all male students whose email address ends with brainster.com

id	firstname	lastname	email	gender	academy_id	created_at
51	Xymenes	Peters	xpeters1e@brainster.com	Male	6	2020-07-05 00:00:00
107	Sinclare	Harradence	sharradence2y@brainster.com	Male	1	2020-07-05 00:00:00

5. Get all the instructors with less than 5 years of experience and have joined the academy in 2019

id	firstname	lastname	email	gender	years_of_experience	joined_at	created_at
2	Jane	Doe	jane.doe@gmail.com	Female	4	2019-03-07 14:50:13	2020-07-05 14:40:13

6. How many male and how many female students are there?

+ Options

gender	No of students
Female	69
Male	51

7. Which lectures were held in November 2019?

id	datetime	topic	difficulty	instructor_id	created_at
5	2019-11-27 00:00:00	Javascript	1	9	2020-07-05 00:00:00
6	2019-11-14 00:00:00	jQuery	3	5	2020-07-05 00:00:00
15	2019-11-22 00:00:00	Bootstrap	4	6	2020-07-05 00:00:00
44	2019-11-23 00:00:00	jQuery	10	5	2020-07-05 00:00:00

8. Get all students from the Design academy, sorted by last name from lower to higher

id	firstname	lastname	email	gender ▾ 1	academy_id	created_at
3	Anne	MacEnelly	amacenelly2@ameblo.jp	Male	5	2020-07-05 00:00:00
19	Gardner	Meth	gmethi@edublogs.org	Male	5	2020-07-05 00:00:00
24	Armin	Dawnay	adawnayn@pbs.org	Male	5	2020-07-05 00:00:00
31	Zuzana	Aspinell	zaspinellu@slashdot.org	Male	5	2020-07-05 00:00:00
41	Erwin	Waistall	ewaistall14@hp.com	Male	5	2020-07-05 00:00:00
42	Marabel	Mount	mmount15@uiuc.edu	Male	5	2020-07-05 00:00:00
76	Alfie	Pulfer	apulfer23@cocolog-nifty.com	Male	5	2020-07-05 00:00:00
104	Raffaello	Pervoe	rpervoe2v@imageshack.us	Male	5	2020-07-05 00:00:00
113	Angil	Titchen	atitchen34@g.co	Male	5	2020-07-05 00:00:00
1	Janessa	Breinl	jbreinl0@ask.com	Female	5	2020-07-05 00:00:00
6	Torry	McGrotty	tmcgrotty5@brainster.org	Female	5	2020-07-05 00:00:00
14	Jethro	Hearthfield	jhearthfieldd@state.tx.us	Female	5	2020-07-05 00:00:00
23	Suzette	Gallahar	sgallaharm@simplemachines.org	Female	5	2020-07-05 00:00:00
43	Friederike	Tarquinio	ftarquinio16@deliciousdays.com	Female	5	2020-07-05 00:00:00
66	Edik	O'Currane	eocurrane1t@hud.gov	Female	5	2020-07-05 00:00:00
78	Morgana	McGilvra	mmcgilvra25@brainster.com	Female	5	2020-07-05 00:00:00
83	Astra	McKibbin	amckibbin2a@nvmag.com	Female	5	2020-07-05 00:00:00

9. **How many female students are there in the Data Science academy?**

+ Options
No of females
8

10. **How many Php mentor classes has the instructor Brendon had?**

+ Options
No of mentor classes
4

11. **How many female students with unique firstnames are there?**

+ Options
firstname
67

12. Which academies have started in april 2019?

id	name	start	created_at
1	Fullstack	2019-04-01 10:00:00	2020-07-05 14:50:13
2	Frontend	2019-04-01 10:00:00	2020-07-05 14:50:13
5	Design	2019-04-01 10:00:00	2020-07-05 14:50:13
6	Graphical Design	2019-04-01 10:00:00	2020-07-05 14:50:13

13. How many students have a lastname that has exactly 7 letters and ends with 'ing'

id	firstname	lastname	email	gender	academy_id	created_at
16	Karee	Goering	kgoeringf@blogspot.com	Male	6	2020-07-05 00:00:00
54	Alyce	Popping	apopping1h@geocities.com	Female	1	2020-07-05 00:00:00
65	Vick	Wilfing	vwilfing1s@icq.com	Female	4	2020-07-05 00:00:00
84	Britta	Kording	bkording2b@comsenz.com	Female	1	2020-07-05 00:00:00

14. Get the last 5 students ordered by their last name, in a format "firstname lastname - A academy_id"

+ Options

names
NobyYearnsley A2
DellYakhin A4
PabloWright A6
VickWilfing A4
DwightWenden A2

15. Get the lectures that the instructor Penelope had with difficulty between 1 and 5 in 2019 OR with difficulty between 5 and 10 in 2020?

id	datetime	topic	difficulty	instructor_id	created_at
5	2019-11-27 00:00:00	Javascript	1	9	2020-07-05 00:00:00
14	2020-06-25 00:00:00	Bootstrap	9	9	2020-07-05 00:00:00
30	2019-12-10 00:00:00	jQuery	2	9	2020-07-05 00:00:00
35	2019-07-12 00:00:00	ER Diagram	2	9	2020-07-05 00:00:00

16. How many mentor sessions has the student with firstname Caril

visited?

17. What is the least amount of students that have visited a particular lecture?

18. How many academies have more than half of the instructors teaching their courses? Hint: use subqueries

BONUS

19. Which lecture was the most visited by the students, on what date, and how many students were there?