

QUERIES WITH THEIR OUTPUTS

1. Write a query to get the names of all students.

	name
▶	Ahmed
	Sara
	Ali
	Ayesha
	Usman

2. Get the names of all male students.

	name
▶	Ahmed
	Ali
	Usman
	Hassan

3. Find all students older than 18 years.

	student_id	name	age	gender	class_id
▶	3	Ali	19	Male	1
	5	Usman	21	Male	2
	6	Zara	22	Female	3
	7	Hassan	20	Male	1
*	NULL	NULL	NULL	NULL	NULL

4. Get details of students who are in class_id = 2.

	student_id	name	age	gender	class_id
▶	2	Sara	18	Female	2
	5	Usman	21	Male	2
*	NULL	NULL	NULL	NULL	NULL

5. List all students ordered by age, youngest first.

	student_id	name	age	gender	class_id
▶	1	Ahmed	17	Male	1
	4	Ayesha	17	Female	3
	2	Sara	18	Female	2
	3	Ali	19	Male	1
	7	Hassan	20	Male	1

6. Show top 5 students with the highest marks in "Math".

	student_id	marks
▶	3	90
	1	88
	4	78
	7	72
	2	67

7. List student names along with their class names.

	name	class_name
▶	Ahmed	Class 10
	Sara	Class 9
	Ali	Class 10
	Ayesha	Class 8
	Usman	Class 9

8. Show student names with their teacher's name for each class.

	student_name	teacher_name
▶	Ahmed	Mr. Khan
	Sara	Ms. Fatima
	Ali	Mr. Khan
	Ayesha	Mr. Bilal
	Usman	Ms. Fatima

9. Find the average marks for each subject.

	subject	average_marks
▶	Math	79.0000
	Science	80.0000
	English	75.0000

10. Count how many students are in each class.

	class_id	total_students
▶	1	3
	2	2
	3	2

11. Find the highest marks scored in "Science".

	highest_science_marks
▶	95

12. List names of students who scored more than the average marks.

	name
▶	Ahmed
	Ali
	Usman
	Zara

13. Find the class name where the oldest student studies.

	class_name
▶	Class 8

14. Write a query to insert a new student named "Ali", age 17, male, in class 3.

	student_id	name	age	gender	class_id
	5	Usman	21	Male	2
	6	Zara	22	Female	3
	7	Hassan	20	Male	1
	8	Ali	17	Male	3
✱	NULL	NULL	NULL	NULL	NULL

15. Update the subject of teacher with teacher_id = 1 to "Computer Science".

	teacher_id	name	subject
▶	101	Mr. Khan	Computer Science
✱	NULL	NULL	NULL

16. Delete all students who have age > 25.

	student_id	name	age	gender	class_id
▶	1	Ahmed	17	Male	1
	2	Sara	18	Female	2
	3	Ali	19	Male	1
	4	Ayesha	17	Female	3
	5	Usman	21	Male	2

17. Get names of students who have not received marks in "English".

	name
▶	Ahmed
	Sara
	Ali
	Usman
	Hassan

18. Display each class name with the total number of male and female students.

	class_name	male_students	female_students
▶	Class 10	3	0
	Class 9	1	1
	Class 8	1	2

19. Get a list of students with total marks across all subjects, ordered from highest to lowest.

	name	total_marks
▶	Ahmed	158
	Ayesha	143
	Sara	142
	Usman	95
	Ali	90

20. Create a temp table and store Query #8 in it

	student_name	teacher_name
▶	Ahmed	Mr. Khan
	Sara	Ms. Fatima
	Ali	Mr. Khan
	Ayesha	Mr. Bilal
	Usman	Ms. Fatima