

Sql Querys

-Student Table

```
mysql> select * from student;
```

id	name	level	age
111	ahmed	2nd	20
222	rana	2nd	20
333	ali	1st	19
444	amir	1st	19
555	reem	3rd	21
666	hassan	3rd	21
777	arwa	4th	22
888	omar	4th	22
999	mohamed	5th	23
1010	malk	5th	23

10 rows in set (0.01 sec)

2- Admission Table

```
mysql> select * from admission;
```

admission_id	student_id	starting_date	graduation_date	status
100	1010	2024-01-01	2029-01-01	paid
121	111	2022-01-01	2026-01-01	paid
122	222	2022-01-01	2025-01-01	paid
133	333	2022-01-01	2025-01-01	paid
144	444	2024-01-01	2028-01-01	paid
155	555	2022-01-01	2026-01-01	paid
166	666	2024-01-01	2029-01-01	paid
177	777	2024-01-01	2028-01-01	paid
188	888	2023-01-01	2028-01-01	paid
199	999	2024-01-01	2028-01-01	paid

```
10 rows in set (0.00 sec)
```

3- Courses Table

```
mysql> select * from courses;
```

id	name	hours
123	Ai	3
345	Os	3
567	web	3
789	database	3
910	datascience	3
1011	datastructure	3
1112	math0	2
1213	psychology	2
1314	pure math	3
1415	Community issues	2

```
10 rows in set (0.00 sec)
```

4- Instructors Table

```
mysql> select * from instructors;
```

id	name	salary
1357	maged	7000
2468	amira	9000
1010	sama	6000
1000	farida	6000
2310	farah	8000
6893	youssef	4000
8425	lina	3000
9137	hany	6000
7220	alaa	6000
4792	john	5000

```
10 rows in set (0.00 sec)
```

1. Salary of instructors

```
mysql> select name , salary from instructors order by salary desc ;
```

name	salary
amira	9000
farah	8000
maged	7000
sama	6000
farida	6000
hany	6000
alaa	6000
john	5000
youssef	4000
lina	3000

```
10 rows in set (0.00 sec)
```

2. Students and their admission status

```
mysql> select s.id as student_id,s.name,s.level,s.age,a.starting_date,a.status,
-> a.graduation_date from student s join admission a on s.id = a.student_id;
```

student_id	name	level	age	starting_date	status	graduation_date
111	ahmed	2nd	20	2022-01-01	paid	2026-01-01
222	rana	2nd	20	2022-01-01	paid	2025-01-01
333	ali	1st	19	2022-01-01	paid	2025-01-01
444	amir	1st	19	2024-01-01	paid	2028-01-01
555	reem	3rd	21	2022-01-01	paid	2026-01-01
666	hassan	3rd	21	2024-01-01	paid	2029-01-01
777	arwa	4th	22	2024-01-01	paid	2028-01-01
888	omar	4th	22	2023-01-01	paid	2028-01-01
999	mohamed	5th	23	2024-01-01	paid	2028-01-01
1010	malk	5th	23	2024-01-01	paid	2029-01-01

```
10 rows in set (0.00 sec)
```

3. Students that will graduate on a specific year

```
mysql> select * from admission where graduation_date = '2029-1-1' ;
```

admission_id	student_id	starting_date	graduation_date	status
100	1010	2024-01-01	2029-01-01	paid
166	666	2024-01-01	2029-01-01	paid

```
2 rows in set (0.01 sec)
```

4. Students in level 2 who are older than 19

```
mysql> select name , level from student where age >19 and level = '2nd' ;
```

name	level
ahmed	2nd
rana	2nd

```
2 rows in set (0.01 sec)
```

5. Average salary for the instructors

```
mysql> select Avg(salary) as average_salary from instructors ;
+-----+
| average_salary |
+-----+
|      6000.0000 |
+-----+
1 row in set (0.02 sec)
```

6. Number of courses

```
mysql> select count(*) as total_courses from courses;
+-----+
| total_courses |
+-----+
|             10 |
+-----+
1 row in set (0.02 sec)
```