

# Query per la ricerca

PDF 1

1 Query

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```
SELECT COUNT(*) AS total_students
FROM students
WHERE date_of_birth LIKE '1990%';
```

The screenshot shows the MySQL Workbench interface with a query editor window. The query is:1 use db\_university;
2
3 SELECT COUNT(\*) AS total\_students
4 FROM students
5 WHERE date\_of\_birth LIKE '1990%';
6

- 1 use db\_university;
- 2
- 3 SELECT COUNT(\*) AS total\_students
- 4 FROM students
- 5 WHERE date\_of\_birth LIKE '1990%';
- 6

The result grid shows a single row with the value 160 for the column 'total\_'. The status bar at the bottom indicates 'Query Completed'.

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2 Query

```
SELECT COUNT(*) AS total_courses
FROM courses
WHERE cfu > '10';
```

```

use db_university;
SELECT COUNT(*) AS total_courses
FROM courses
WHERE cfu = '10';

```

Result Grid

total_courses
479

Action Output

Time	Action	Response	Duration / Fetch Time
26	11:34:34 use db_university	0 row(s) affected	0.00023 sec
27	11:34:34 SELECT COUNT(*) AS total_courses FROM courses LIMIT 0, 1000	1 row(s) returned	0.00041 sec / 0.000...
29	11:34:41 use db_university	Error Code: 1064. You have an error in your SQL syn... 0.00023 sec	0.00023 sec
30	11:34:41 SELECT COUNT(*) AS total_courses FROM courses LIMIT 0, 1000	0 row(s) affected	0.00095 sec / 0.000...
31	11:34:41 WHERE cfu > '10'	Error Code: 1064. You have an error in your SQL syn... 0.00018 sec	0.00018 sec
32	11:35:11 use db_university	1 row(s) returned	0.00097 sec / 0.000...
33	11:35:11 SELECT COUNT(*) AS total_courses FROM courses LIMIT 0, 1000	0 row(s) affected	0.00023 sec
34	11:35:11 WHERE cfu = '10'	Error Code: 1064. You have an error in your SQL syn... 0.00018 sec	0.00018 sec
35	11:35:34 use db_university	1 row(s) returned	0.00022 sec
36	11:35:34 SELECT COUNT(*) AS total_courses FROM courses WHERE cfu = '10' LIMIT 0, 1000	0 row(s) affected	0.00022 sec
37	11:35:46 use db_university	1 row(s) returned	0.00022 sec
38	11:35:46 SELECT COUNT(*) AS total_courses FROM courses WHERE cfu < '10' LIMIT 0, 1000	1 row(s) returned	0.00014 sec / 0.00000...
39	11:35:49 use db_university	1 row(s) returned	0.00022 sec
40	11:35:49 SELECT COUNT(*) AS total_courses FROM courses WHERE cfu > '10' LIMIT 0, 1000	1 row(s) returned	0.00014 sec / 0.00000...

Query Completed

### 3 Query

```

SELECT *
FROM students
WHERE TIMESTAMPDIFF(YEAR, date_of_birth, CURDATE()) > 30
ORDER BY date_of_birth ASC;

```

```

use db_university;
SELECT *
FROM students
WHERE TIMESTAMPDIFF(YEAR, date_of_birth, CURDATE()) > 30;

```

Result Grid

id	degree_id	name	surname	date_of_birth	fiscal_code	enrollment_date	registration_num...	email
1	61	Antonio	D'angelo	1972-08-31	OPXVWV51Z02187B	2018-09-21	620033	bella@solentino.it
2	44	Nico	Bianco	1983-10-15	QJQJUP604B8P79X	2018-11-15	620033	mercedes.conte@yahoo.com
3	5	Carlo	Barone	1973-05-05	QKJLJU604B8P79X	2018-11-15	620033	marco.bartolini@libero.it
4	55	Alan	Banchi	1981-02-09	PP7UJS10M72R784W	2018-11-28	620038	rbanchi@grasso.org
6	70	Patrizio	Greco	1992-11-15	RHYNR088R06R626Y	2018-12-05	620038	donat.evangelista@yahoo.com
8	44	Rudy	Vitali	1991-09-17	YYVHLLN804A0E01BF	2020-09-17	620040	zonne@marino.it
9	52	Giuliano	Palumbo	1973-06-17	QALBX79U2H3H174Z	2019-11-05	620042	giuliano.palumbo@libero.it
10	43	Luisa	Palumbo	1973-06-17	QALBX79U2H3H174Z	2019-11-05	620042	luzza@lumirini.it
11	26	Gabriele	Vitale	1973-01-22	EYITRZ20B150E67V	2020-12-29	620043	dem00@testa.org
12	68	Massimo	Carbone	1973-01-22	QWOMP201919297D	2020-12-30	620044	irene.giordano@libero.it
13	39	Francesca	Carbone	1973-01-22	QWOMP201919297D	2020-12-30	620045	francesca.carbone@gmail.com
14	40	Marina	Pellegrino	1982-05-16	KZTXV3S3C929X	2019-11-27	620046	riva.deborah@gmail.com
15	43	Marina	Neri	1987-01-26	ZWAQGM23V305132L	2018-11-05	620047	riva.deborah@gmail.com
16	48	Vania	Rossi	1988-09-21	KRBSCHA42020W017Q	2020-09-26	620048	abrina14@yahoo.it
17	54	Tadio	Costa	1979-05-05	QFRC52009R099W	2021-01-30	620049	crey@libero.it
18	50	Marco	Carbone	1973-07-07	QVZVQ44A04020U	2020-09-26	620050	zuccarone.luxx@libero.it
20	53	Joshua	Vitale	1988-09-31	GRFBK76L427306Q	2021-03-27	620053	hong@benedetti.it
21	75	Gastone	Rizzi	1984-12-25	RVYIGH43K10K79Q	2018-07-01	620053	eldia21@pellegrino.it
22	46	Ivan	Ferrina	1992-07-15	XWHLYE72N37M153A	2021-03-29	620054	valentini.vera@ibero.it
23	51	Patrizio	D'angelo	1973-06-17	QALBX79U2H3H174Z	2019-11-05	620055	patrizio.dangelo@libero.it
25	56	Patrizio	D'angelo	1973-06-17	YGDQKU17V8C619T	2019-01-19	620057	esera@email.it
27	64	Elsa	Lombardi	1977-01-06	MJFNBZ77H3TE458Q	2020-11-23	620059	giacochino8@romano.it
28	64	Sabino	Carbone	1972-08-14	HKKWKH482830329W	2019-10-30	620060	ferraro@marinelli.it
29	25	Michael	De Luca	1972-08-29	YAHGJF943B1W97FS	2018-09-24	620061	elisa@fotana.it
31	9	Max	Merello	1973-02-26	NSPMTE53R021442M	2020-02-05	620063	kai.gale@email.it

Action Output

Time	Action	Response	Duration / Fetch Time
27	12:02:36 use db_university	0 row(s) affected	0.00026 sec
28	12:02:36 SELECT * FROM students WHERE TIMESTAMPDIFF(YEAR, date_of_birth, CURDATE()... 1000 row(s) returned	0.0025 sec / 0.0014 s...	

Query Completed

### 4 Query

```

SELECT COUNT(*) AS total_courses

```

```
FROM courses  
WHERE period LIKE 'I semestre%'  
AND year = 1;
```

The screenshot shows the MySQL Workbench interface. The left sidebar displays the schema 'db\_university' with tables like courses, course\_teacher, degrees, departments, exams, exam\_student, students, and teachers. The main pane shows the following SQL code:

```
2  
3 • SELECT *  
4 FROM courses;  
5  
6 • SELECT COUNT(*) AS total_courses  
7 FROM courses  
8 WHERE period LIKE 'I semestre%'  
9 AND year = 1;
```

The results grid shows a single row with the value 296 for 'total\_courses'. Below the results, the Query Profiler shows two rows of activity:

Action	Time	Response	Duration / Fetch Time
SELECT * FROM courses LIMIT 0, 1000	13:13:17	1000 row(s) returned	0.001 sec / 0.0021 sec
SELECT COUNT(*) AS total_courses FROM courses WHERE period LIKE 'I semestre%' AND year = 1;	13:13:17	1 row(s) returned	0.0016 sec / 0.000000...

## 5 Query

```
SELECT *  
FROM exams  
WHERE date LIKE '2020-06-20%'  
AND hour > '14:00:00';
```

```

use db_university;
SELECT *
FROM exams
WHERE date LIKE '2020-06-20%' AND hour > '14:00:00';

```

Result Grid

	id	course_id	date	hour	location	address
48	10	2020-06-20	14:50:00	Piano 2	Rotonda Lorenzo 103	Piano 3
598	11	2020-06-20	14:30:00	Appartamento 84	Via delle Poligoni 153	Incrocio Crebbi 6
698	120	2020-06-20	16:20:00	Appartamento 24	Incrocio Crebbi 6	Piano 5
1078	216	2020-06-20	16:40:00	Appartamento 42	Strada Lorenzo 2	Appartamento 63
1483	293	2020-06-20	16:00:00	Piano 6	Via Monica 86	
1711	105	2020-06-20	14:45:00	Piano 3	Via Salaria 1	
1863	333	2020-06-20	14:40:00	Piano 2	Strada Kayla 16	
1988	398	2020-06-20	15:20:00	Appartamento 28	Via Sarita 3	Appartamento 56
2298	450	2020-06-20	15:45:00	Appartamento 36	Contrada Alesio 44	Piano 4
2352	106	2020-06-20	16:15:00	Appartamento 78	Via Roma 100	Piano 2
2578	516	2020-06-20	16:45:00	Piano 2	Borgo Noah 404	Piano 2
2873	575	2020-06-20	14:45:00	Piano 2	Strada Mercedes 84	
3423	685	2020-06-20	15:30:00	Appartamento 87	Via Rizzo 7	
4550	70	2020-06-20	16:45:00	Piano 2	Cortina d'Amico 340	
4558	912	2020-06-20	16:40:00	Piano 7	Strada D'Amico 7	Appartamento 15
5013	1003	2020-06-20	14:45:00	Appartamento 10	Piazza Costa 7	
5473	1095	2020-06-20	16:00:00	Piano 7	Via Vinicio 89	
5500	1106	2020-06-20	16:30:00	Piano 4	Via Roma 106	Piano 0
6103	1121	2020-06-20	16:30:00	Piano 5	Incrocio Sonnino 1	
6328	1268	2020-06-20	16:30:00	Piano 5	Via Ileana 1	Appartamento 27
6403	1281	2020-06-20	16:00:00	Piano 4	Rotonda Globie 4	

Execution Plan

Action	Time	Action	Response	Duration / Fetch Time
use db_university	13:47:10	SELECT * FROM exams WHERE date LIKE '2020-06-20%' AND hour > '14:00:00'	0 row(s) affected	0.00022 sec
			21 row(s) returned	0.0092 sec / 0.00000...

## 6 Query

```

SELECT COUNT(*) AS total_courses
FROM degrees
WHERE level LIKE 'magistrale';

```

```

use db_university;
SELECT COUNT(*) AS total_courses
FROM degrees
WHERE level LIKE 'magistrale';

```

Result Grid

total_courses
38

Execution Plan

Action	Time	Action	Response	Duration / Fetch Time
use db_university	15:23:16	SELECT COUNT(*) AS total_courses FROM degrees WHERE level LIKE 'magistrale';	0 row(s) affected	0.00029 sec
			1 row(s) returned	0.00040 sec / 0.000...

## 7 Query

```

SELECT COUNT(*) AS total_departments

```

## FROM departments

The screenshot shows the MySQL Workbench interface with a query editor window open. The query being run is:

```
use db_university;
SELECT COUNT(*) AS total_departments
FROM departments;
```

The results grid shows a single row with the value 12 for the column 'total\_departments'. The status bar at the bottom indicates 'Query Completed'.

On the right side of the interface, there is a vertical toolbar with several icons: Context Help, Snippets, Result Grid, Form Editor, Field Types, Query Stats, and Execution Plan. A note in the top right corner states: "Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help."