1 - Select All Rows

QuerySet

Category.objects.all()

SQL

SELECT \* FROM `category`;

OUTPUT

+----+-------------+----------+

| id | name | status |

+----+-------------+----------+

| 1 | Technology | Active |

| 2 | Science | Active |

| 3 | Management | Active |

| 4 | General | Inactive |

| 5 | Programming | Active |

+----+-------------+----------+

5 rows in set (0.000 sec)

2 - Get No of Rows Count

QuerySet

Category.objects.all().count()

SQL

SELECT COUNT(\*) FROM `category`;

OUTPUT

+----------+

| COUNT(\*) |

+----------+

| 5 |

+----------+

1 row in set (0.000 sec)

3 - exact

QuerySet

Category.objects.filter(status\_\_exact='active').all()

SQL

SELECT \* FROM `category` WHERE `status` = 'active';

OUTPUT

+----+-------------+--------+

| id | name | status |

+----+-------------+--------+

| 1 | Technology | Active |

| 2 | Science | Active |

| 3 | Management | Active |

| 5 | Programming | Active |

+----+-------------+--------+

4 rows in set (0.000 sec)

4 – iexact

QuerySet

Category.objects.filter(status\_\_iexact='active').all()

SQL

SELECT \* FROM `category` WHERE `status` = 'active';

OUTPUT

+----+-------------+--------+

| id | name | status |

+----+-------------+--------+

| 1 | Technology | Active |

| 2 | Science | Active |

| 3 | Management | Active |

| 5 | Programming | Active |

+----+-------------+--------+

4 rows in set (0.000 sec)

5 – contains

QuerySet

Book.objects.filter(name\_\_contains='Reference').all()

SQL

SELECT \* FROM `book` WHERE `name` LIKE '%Reference%';

OUTPUT

+-----------------------------------------+

| name |

+-----------------------------------------+

| C++ The Complete Reference, 4th Edition |

| PHP : The Complete Reference |

+-----------------------------------------+

2 rows in set (0.000 sec)

6 - icontains

QuerySet

Book.objects.filter(name\_\_icontains='reference').all()

SQL

SELECT \* FROM `book` WHERE `name` ILIKE '%reference%';

OUTPUT

+-----------------------------------------+

| name |

+-----------------------------------------+

| C++ The Complete Reference, 4th Edition |

| PHP : The Complete Reference |

+-----------------------------------------+

2 rows in set (0.000 sec)

7 – in

QuerySet

Author.objects.filter(name\_\_in=['HC Verma', 'Anuj kumar']).all()

SQL

SELECT \* FROM `author` WHERE `name` IN ('HC Verma', 'Anuj kumar');

OUTPUT

+----+------------+

| id | name |

+----+------------+

| 6 | Anuj kumar |

| 7 | HC Verma |

+----+------------+

2 rows in set (0.000 sec)

+----+-------------------+

| id | name |

+----+-------------------+

| 1 | Herbert Schildt |

| 2 | Kyle Hill |

| 3 | Kelly Barnhill |

| 4 | Robert T. Kiyosak |

| 5 | Dr. Andy Williams |

| 6 | Anuj kumar |

| 7 | HC Verma |

+----+-------------------+

7 rows in set (0.000 sec)

8 - greater than

QuerySet

Book.objects.filter(price\_\_gt=400).all()

SQL

SELECT `name`, `price` FROM `book` WHERE `price` > 400;

OUTPUT

+------------------------------+-------+

| name | price |

+------------------------------+-------+

| Murach's MySQL | 455 |

| ASP.NET Core 5 for Beginners | 422 |

+------------------------------+-------+

2 rows in set (0.000 sec)

+------------------------------+-------+

| name | price |

+------------------------------+-------+

| PHP : The Complete Reference | 20 |

| Physics | 15 |

| Murach's MySQL | 455 |

| WordPress for Beginners 2022 | 100 |

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| Rich Dad Poor Dad | 120 |

| The Girl Who Drank the Moon | 200 |

| C++: The Complete Reference | 142 |

| ASP.NET Core 5 for Beginners | 422 |

+------------------------------+-------+

9 rows in set (0.000 sec)

9 - greater than or Equal to

QuerySet

Book.objects.filter(price\_\_gte=400).all()

SQL

SELECT `name`, `price` FROM `book` WHERE `price` >= 400;

OUTPUT

+------------------------------+-------+

| name | price |

+------------------------------+-------+

| Murach's MySQL | 455 |

| ASP.NET Core 5 for Beginners | 422 |

+------------------------------+-------+

2 rows in set (0.000 sec)

+------------------------------+-------+

| name | price |

+------------------------------+-------+

| PHP : The Complete Reference | 20 |

| Physics | 15 |

| Murach's MySQL | 455 |

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| Rich Dad Poor Dad | 120 |

| The Girl Who Drank the Moon | 200 |

| C++: The Complete Reference | 142 |

| ASP.NET Core 5 for Beginners | 422 |

+------------------------------+-------+

9 rows in set (0.000 sec)

10 - less than

QuerySet

Book.objects.filter(price\_\_lt=100).all()

SQL

SELECT `name`, `price` FROM `book` WHERE `price` < 100;

OUTPUT

+------------------------------+-------+

| name | price |

+------------------------------+-------+

| PHP : The Complete Reference | 20 |

| Physics | 15 |

| WordPress Mastery Guide | 53 |

+------------------------------+-------+

3 rows in set (0.000 sec)

+------------------------------+-------+

| name | price |

+------------------------------+-------+

| PHP : The Complete Reference | 20 |

| Physics | 15 |

| Murach's MySQL | 455 |

| WordPress for Beginners 2022 | 100 |

| WordPress Mastery Guide | 53 |

| Rich Dad Poor Dad | 120 |

| The Girl Who Drank the Moon | 200 |

| C++: The Complete Reference | 142 |

| ASP.NET Core 5 for Beginners | 422 |

+------------------------------+-------+

9 rows in set (0.000 sec)

11 - Less than or Equal to

QuerySet

Book.objects.filter(price\_\_lte=100).all()

SQL

SELECT `name`, `price` FROM `book` WHERE `price` <= 100;

OUTPUT

+------------------------------+-------+

| name | price |

+------------------------------+-------+

| PHP : The Complete Reference | 20 |

| Physics | 15 |

| WordPress for Beginners 2022 | 100 |

| WordPress Mastery Guide | 53 |

+------------------------------+-------+

4 rows in set (0.000 sec)

+------------------------------+-------+

| name | price |

+------------------------------+-------+

| PHP : The Complete Reference | 20 |

| Physics | 15 |

| Murach's MySQL | 455 |

| WordPress for Beginners 2022 | 100 |

| WordPress Mastery Guide | 53 |

| Rich Dad Poor Dad | 120 |

| The Girl Who Drank the Moon | 200 |

| C++: The Complete Reference | 142 |

| ASP.NET Core 5 for Beginners | 422 |

+------------------------------+-------+

9 rows in set (0.000 sec)

12 – startswith

QuerySet

Book.objects.filter(name\_\_startswith='P').all()

SQL

SELECT `name` FROM `book` WHERE `name` LIKE 'P%';

OUTPUT

+------------------------------+

| name |

+------------------------------+

| PHP : The Complete Reference |

| Physics |

+------------------------------+

2 rows in set (0.000 sec)

13 – istartswith

QuerySet

Book.objects.filter(name\_\_istartswith='p').all()

SQL

SELECT `name` FROM `book` WHERE `name` ILIKE 'p%';

OUTPUT

+------------------------------+

| name |

+------------------------------+

| PHP : The Complete Reference |

| Physics |

+------------------------------+

2 rows in set (0.000 sec)

14 – endswith

QuerySet

Book.objects.filter(name\_\_endswith='Reference').all()

SQL

SELECT `name` FROM `book` WHERE `name` LIKE '%Reference';

OUTPUT

+------------------------------+

| name |

+------------------------------+

| PHP : The Complete Reference |

| C++: The Complete Reference |

+------------------------------+

2 rows in set (0.000 sec)

15 – iendswith

QuerySet

Book.objects.filter(name\_\_iendswith='reference').all()

SQL

SELECT `name` FROM `book` WHERE `name` ILIKE '%reference';

OUTPUT

+------------------------------+

| name |

+------------------------------+

| PHP : The Complete Reference |

| C++: The Complete Reference |

+------------------------------+

2 rows in set (0.000 sec)

16 – range

QuerySet

Book.objects.filter(name\_\_iendswith='reference').all()

SQL

SELECT `driver\_name`, `vehicle\_type` FROM `entry` WHERE `entry\_date` BETWEEN '2022-09-29' and '2022-09-30';

OUTPUT

+---------------+--------------+

| driver\_name | vehicle\_type |

+---------------+--------------+

| John | Auto |

| Kishore Singh | Taxi |

+---------------+--------------+

2 rows in set (0.000 sec)

+----+--------------+---------------+---------------------+---------------------+

| id | vehicle\_type | driver\_name | entry\_date | out\_date |

+----+--------------+---------------+---------------------+---------------------+

| 1 | Auto | John | 2022-09-29 11:21:11 | 2022-09-30 11:53:38 |

| 2 | Taxi | Kishore Singh | 2022-09-29 11:53:39 | 2022-09-30 11:53:53 |

| 4 | Taxi | Kunal Singh | 2022-08-13 11:23:39 | 2022-08-16 17:39:00 |

| 5 | Taxi | Lovely Singh | 2022-08-16 11:23:39 | 2022-08-16 17:38:54 |

| 7 | Taxi | Manish Singh | 2022-08-16 11:23:39 | 2022-08-16 17:38:37 |

| 8 | Taxi | Rahul Singh | 2022-08-16 11:23:39 | 2022-08-16 17:38:30 |

| 9 | Auto | Sourabh Singh | 2022-08-16 11:23:39 | 2022-08-16 18:19:59 |

| 11 | Taxi | Rakul Singh | 2022-08-16 17:38:04 | NULL |

| 12 | Auto | Rahul kumar | 2022-08-17 21:59:40 | 2022-08-17 22:00:05 |

| 13 | Taxi | Anuj Kumar | 2022-08-17 22:48:19 | 2022-08-17 22:48:37 |

+----+--------------+---------------+---------------------+---------------------+

10 rows in set (0.000 sec)