
KNOWLEDGE BASE ARTICLE

Contrib - Moodle SQL Queries

The article provides SQL queries for Moodle, including exporting data to CSV, listing courses using the Turnitintwo module, and converting usernames and emails to lowercase. It offers practical examples for managing Moodle databases.

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DOCUMENT

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Sending output to CSV

You can send your results to csv format by adding the following line after the SELECT statement.

```
INTO OUTFILE '/var/lib/mysql-files/output.csv'  
FIELDS TERMINATED BY ',' ESCAPED BY ''  
ENCLOSED BY ''  
LINES TERMINATED BY '\r\n'
```

Example

```
SELECT id, firstname, lastname, email from customers  
INTO OUTFILE '/tmp/output.csv'  
FIELDS TERMINATED BY ',' ESCAPED BY ''  
ENCLOSED BY ''  
LINES TERMINATED BY '\r\n'  
WHERE firstname='fred'
```

Contents

- [List all courses using Turnitintwo module](#)
- [List all courses](#)
- [Change username and email to lowercase](#)

List all courses using Turnitintwo module

Replace <mydomain> with your domain fqdn

SQL

```
SELECT an.name, CONCAT('https://mydomain/course/view.php?id=',co.id) as url ,
co.shortname, "Turnitin" as type, from_unixtime(an.defaultdtdue) as duedate
FROM mdl_turnitintooltwo an join mdl_course co on an.course = co.id
ORDER BY duedate;
```

List all courses

- Include the url to the course
- By last access time

Replace <mydomain> with your domain fqdn

SQL

```
select y.*
from
(
select x.id, x.fullname, x.shortname, x.name as category, FROM_UNIXTIME(x.timeaccess)
last_accessed_time, CONCAT('https://mydomain/course/view.php?id=',x.id) as course
from
(
select c.id, c.fullname, c.shortname, cc.name, max(a.timeaccess ) timeaccess
from mdl_course c
left join mdl_course_categories cc
on cc.id = c.category
left join mdl_user_lastaccess a
on c.id = a.courseid
group by c.id, c.fullname, c.shortname, cc.name
) x
) y
order by last_accessed_time asc;
```

Lowercase Username and Email

Change all usernames and email addresses to lowercase

SQL

```
UPDATE mdl_user SET username = LOWER(username);  
UPDATE mdl_user SET email = LOWER(email);
```