

# Moodle-STACK-Aufgabe

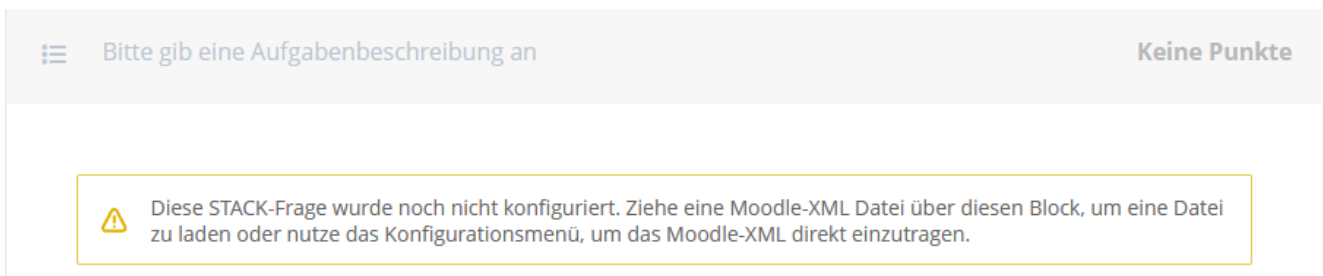
In a Moodle STACK task, students are shown live syntactic feedback as they type, e.g. typing errors when entering LaTeX commands. This type of task is particularly suitable for creating tasks with a mathematical or technical background. Questions can be evaluated with the help of a computer algebra system (CAS).

STACK documentation can be found [here](#).

## Creating a Moodle-STACK-Aufgabe

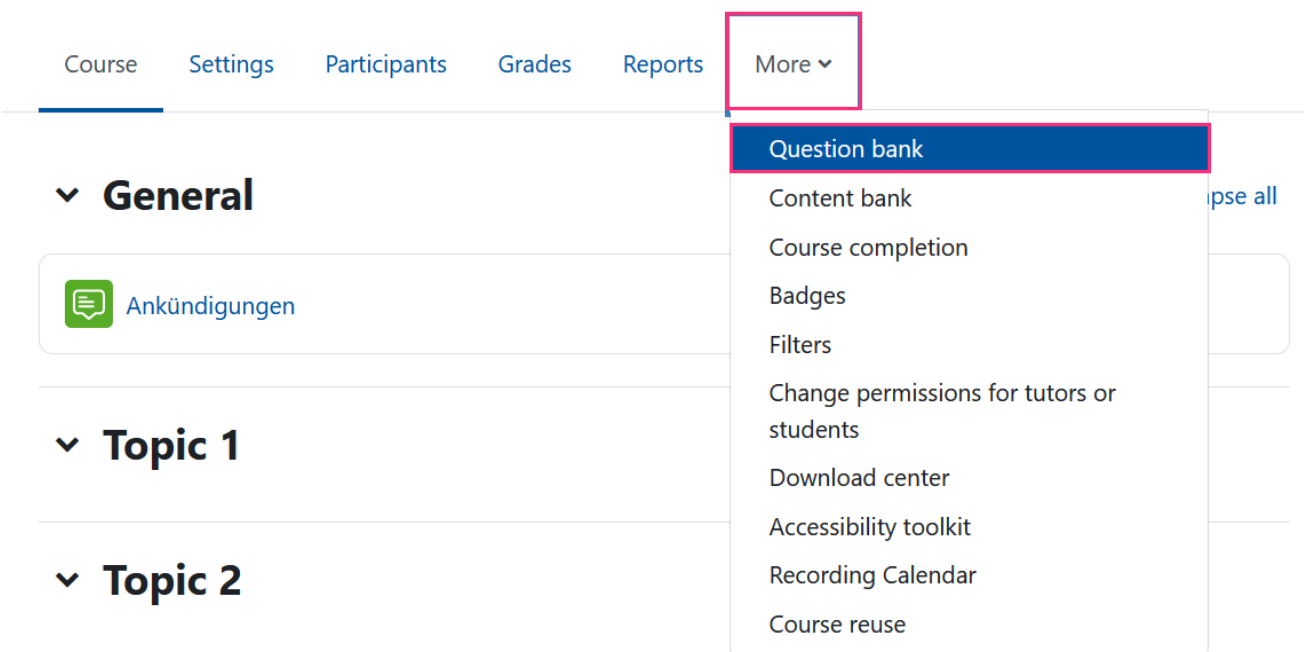
To create a Moodle STACK assignment, proceed as follows:

1. First create the question that you want to create in Dynexite as a Moodle STACK task in a Moodle course. To do this, select the [question type STACK](#) in Moodle.
2. Create a new task in Dynexite.
3. Click on the **+ Neue Eingabe** button (new entry) in the task editor of Dynexite and select the task type **Moodle-STACK**. The task now contains the following input block:



4. In Moodle, click on the **Mehr** (more) tab in the course with your STACK question and select the **Question bank** option.

## Dynexite Stack Demo



5. Click on **Edit** next to the question you want to integrate into Dynexite and select the option **Export as Moodle XML**.

## Question bank

Select a category: Standard für Dynexite Stack Demo  
Standardkategorie für Fragen, die im Kontext 'Dynexite Stack Demo' freigegeben sind.  
No tag filters applied

Filter by tags...

Show question text in the question list? No

Search options

Also show questions from subcategories

Also show old questions

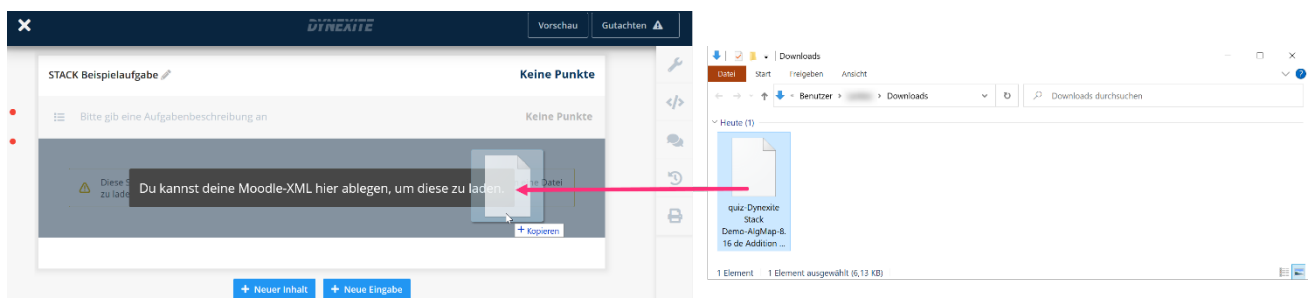
Create a new question ...

Question	Actions	Status	Version	Created by	Comments	Usage	Last used	Modified by
<input type="checkbox"/> AlgMap-8.16 de: Addition dreier Brüche [{"DOMAINUID":"0EE0C55"} [{"DOMAINUID":"0EE0C55"}]	<a href="#">Edit question</a> <a href="#">Duplicate</a> <a href="#">Manage tags</a> <a href="#">Preview</a> <a href="#">History</a> <a href="#">Delete</a> <a href="#">Export as Moodle XML</a> <a href="#">Question tests &amp; deployed variants</a> <a href="#">Tidy STACK question tool</a>	Ready	v5	Kirschbaum, Sven 11 April 2023, 12:53 PM	0	0	Never	Kirschbaum, Sven 11 April 2023, 12:53 PM
<input type="checkbox"/> AlgMap-9.4 de: Lineare Gleichung $ax+b=cx+d$ [{"DOMAINUID":"0EE0C55"}]		Ready	v1	Kirschbaum, Sven 11 April 2023, 12:13 PM	0	0	Never	Kirschbaum, Sven 11 April 2023, 12:13 PM
<input type="checkbox"/> Aufzählende Form angeben [{"DOMAINUID":"ACF890B"}]		Ready	v1	Kirschbaum, Sven 11 April 2023, 12:17 PM	0	0	Never	Kirschbaum, Sven 11 April 2023, 12:17 PM
<input type="checkbox"/> Aussagen zu Monotonie, Krümmung, Extrema [{"DOMAINUID":"0EE0C55"}]		Ready	v2	Kirschbaum, Sven 11 April 2023, 1:02 PM	0	0	Never	Kirschbaum, Sven 11 April 2023, 1:02 PM
<input type="checkbox"/> Basic matrix algebra, 3x3 FI/EN [{"DOMAINUID":"12FBDEC"}]		Ready	v3	Kirschbaum, Sven 11 April 2023, 1:10 PM	0	0	Never	Kirschbaum, Sven 11 April 2023, 1:10 PM
<input type="checkbox"/> Checkbox (plots in options)		Ready	v1	Kirschbaum, Sven 11 April 2023, 12:18 PM	0	0	Never	Kirschbaum, Sven 11 April 2023, 12:18 PM

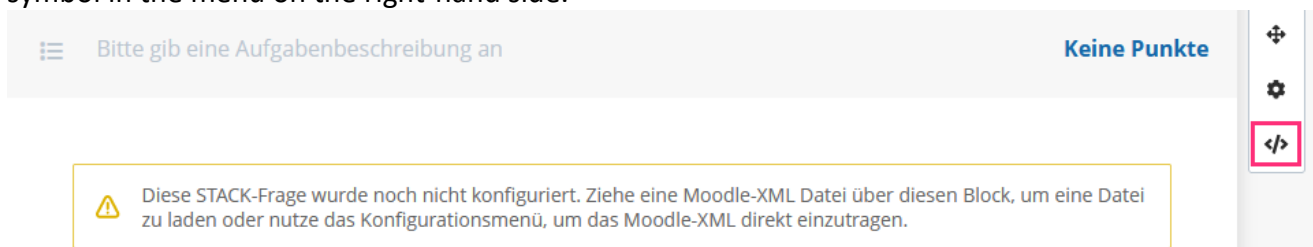
This triggers the download of an XML file.

- You now have 2 options for adding the Moodle XML data to the Moodle STACK task in Dynexite: a) drag it into the task or b) enter it via the configuration menu.

a) **Drag it into the task:** Drag the XML file from your download folder to the marked area in the Moodle STACK task.



b) **Enter XML code via the configuration menu:** Open the XML file in your download folder and copy the code to the clipboard. Click on the input block in Dynexite and then click on the code symbol in the menu on the right-hand side.



The **Konfiguration bearbeiten** (edit configuration) window opens.

Sprache  
Deutsch

Fragen XML

1	
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Schließen

Click in the code area and insert the XML data using CTRL+V. Then click on the **Schließen** (close) button.

7. The task is now displayed. Continue with the other configuration steps, e.g. defining the points.

✕ **DTNEAITE** Vorschau Gutachten ⚠

STACK Beispielaufgabe ✎ **Keine Punkte**

☰ Bitte gib eine Aufgabenbeschreibung an **Keine Punkte**

Fassen Sie die Terme so zusammen, dass sie als einen Bruch dargestellt werden, und kürzen Sie die Antwort soweit wie möglich:

$$\frac{2y-4}{3} + \frac{2y+1}{4} - \frac{y}{3} = \frac{(10*y-13)}{12}$$

$$\frac{10y-13}{12}$$

**Musterlösung**

Wenn Sie mehrere Brüche addieren, können Sie entweder zuerst auf zwei Brüche konzentrieren, oder sie suchen einen gemeinsamen Nenner für alle Brüche. Sie müssen die Brüche so erweitern, dass Sie einen gemeinsamen Nenner haben, dann können Sie die Brüche addieren und am Ende noch Terme zusammenfassen oder kürzen.

In dieser Aufgabe:

$$\frac{2y-4}{3} + \frac{2y+1}{4} - \frac{y}{3} = \frac{12(2y-4)}{36} + \frac{9(2y+1)}{36} - \frac{12y}{36} = \frac{10y-13}{12}.$$

+ Neuer Inhalt + Neue Eingabe

✓ Die Datei wurde erfolgreich geladen.

If you want to make changes to the code, delete the code in Dynexite and make the changes in Moodle or the XML file. Then repeat the data import process.

8. The task is now fully configured. Click on **Vorschau** (preview) to test whether it works correctly. Then start the assessment process.

#### **Please note**

- It is not possible to import tasks in which JavaScript is used.
- Questions with randomization require the use of [deployed variants](#), i.e. variants must already be created in Moodle.
- STACK tasks can only be assessed if all answer fields have been completed by the students.
- Minor visual deviations may occur in the presentation of tasks in Dynexite.