

Introduction

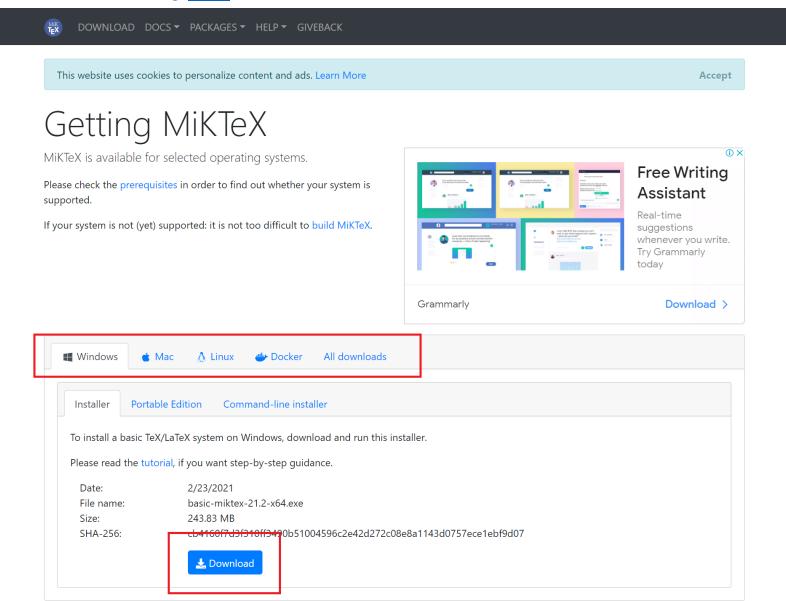
- ▶ LaTex is a popular document typesetting system for typesetting math. With the Moodle LaTex package, one can generate a Moodle XML file containing quiz questions from a document authored using LaTex. The Moodle XML file can then be used to bulk import multiple questions into a question bank in E-Learning.
- To import LaTeX questions into:
 - Compile a PDF and a Moodle XML file.
 - ▶ Import your Moodle XML file into your quiz Question bank in E-Learning.

Compiling a PDF and Moodle XML File

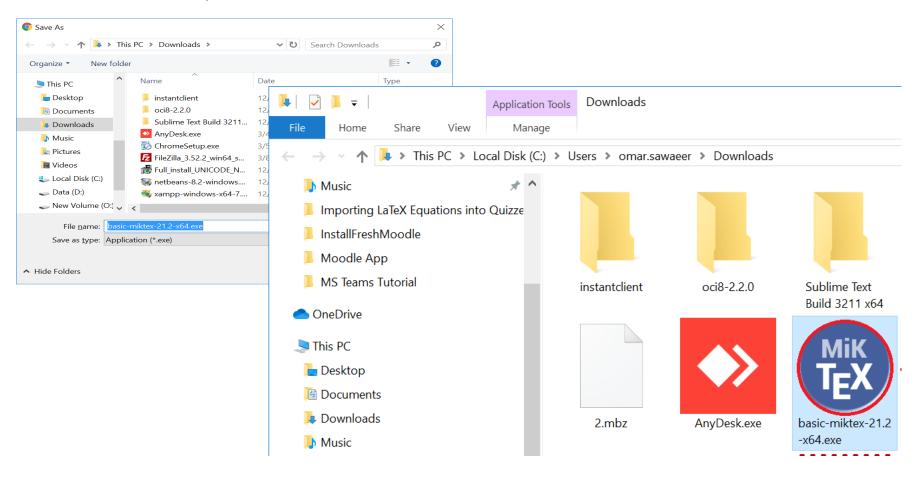
- Step 1: Write a LaTeX document: To write a LaTex document, you will need to create a plain text file with the extension .tex. TeX documents can be compiled using a TeX distribution typesetting program, or an online LaTeX editor such as Overleaf.
- There are many TeX distributions available for various operating systems, including:
 - MiKTeX for Windows
 - TeX Live for Linux
 - MacTeX for macOS
- To Write a LaTeX document for import into E-Learning: Use \usepackage{moodle}. When writing Multiple Choice questions in your TeX editor, ensure you use the next example format to ensure the code is accepted by E-learning when you import your questions.

```
Example:
\documentclass[12pt]{article}
\usepackage{moodle} //This is a very important line!!!!
\newcommand
\monomial[1]\{x^{\#1}\}
\newcommand
\sillyanswer{What!?}
\begin{document}
\begin{quiz}{My first quiz}
\begin{numerical}[points=2]{Basic addition}What is$8+3$?
\item 11
\end{numerical}
\begin{shortanswer}[usecase]{Newton's name}What was Newton's first name?
\item Isaac
\item[fraction=0, feedback={\sillyanswer}] Fig\item[fraction=0] Sir
\end{shortanswer}
\item[feedback={\sillyanswer}] $51$
\end{multi}
\end{quiz}
\end{document
```

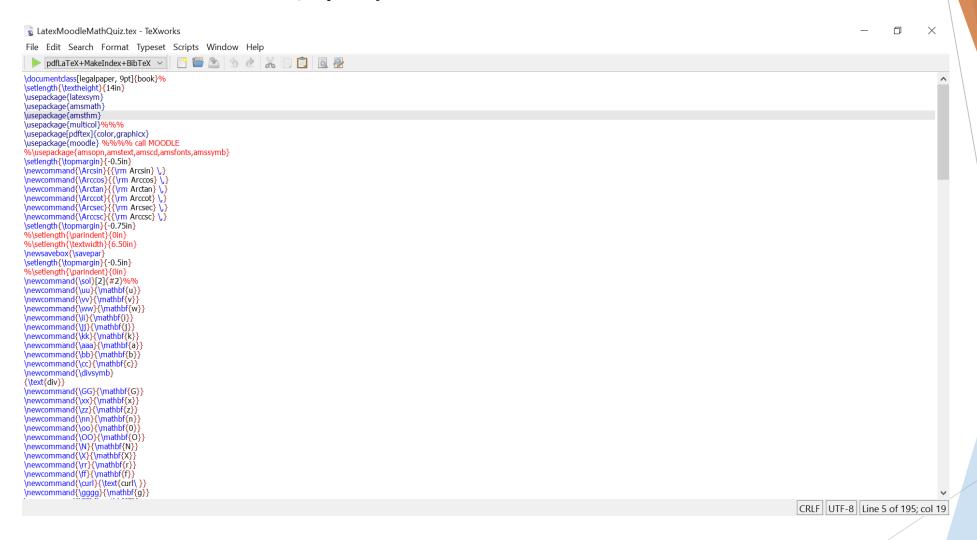
Compile the LaTeX document into a PDF, here we will download MiKTeX from the following link



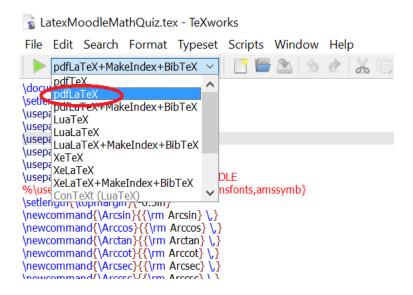
Save the program and run it, then accept Copying conditions for MiKTeX and click all the Next buttons



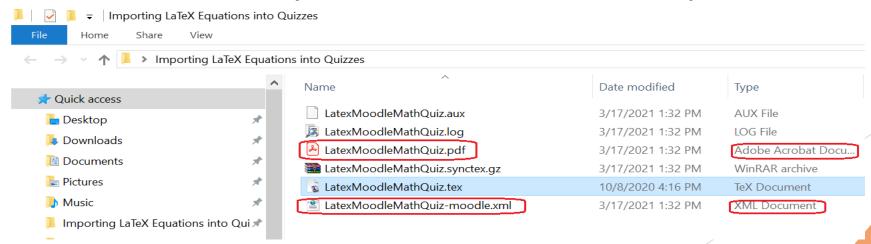
❖ After the installation, open your Tex document



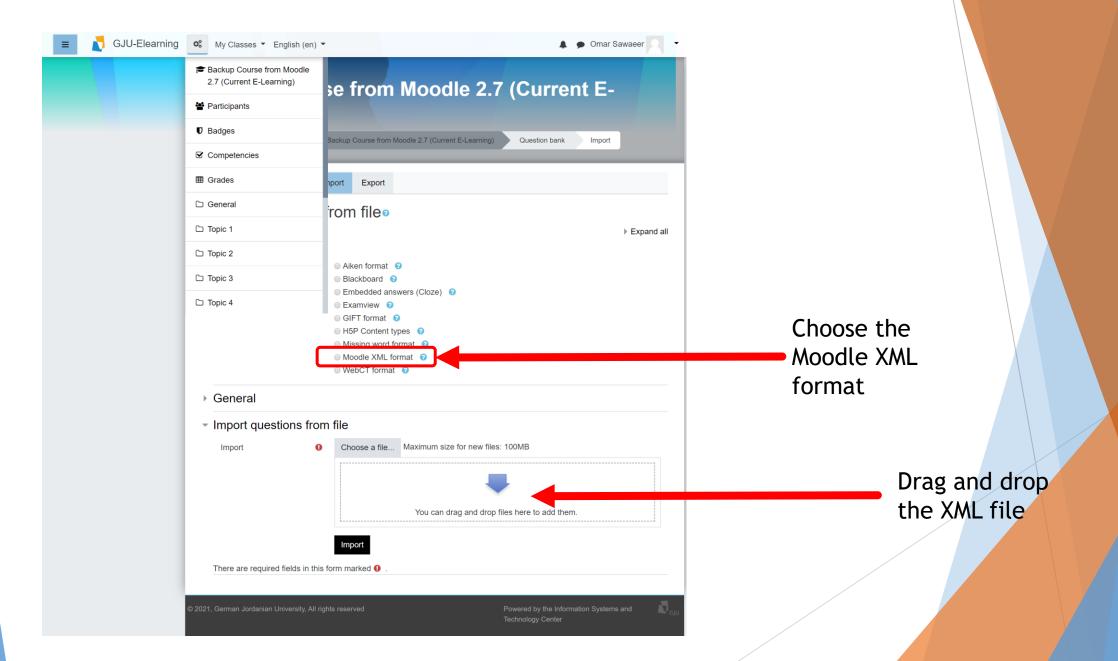
❖ Select pdfLatex from the dropdown menu, and click the run button ▶



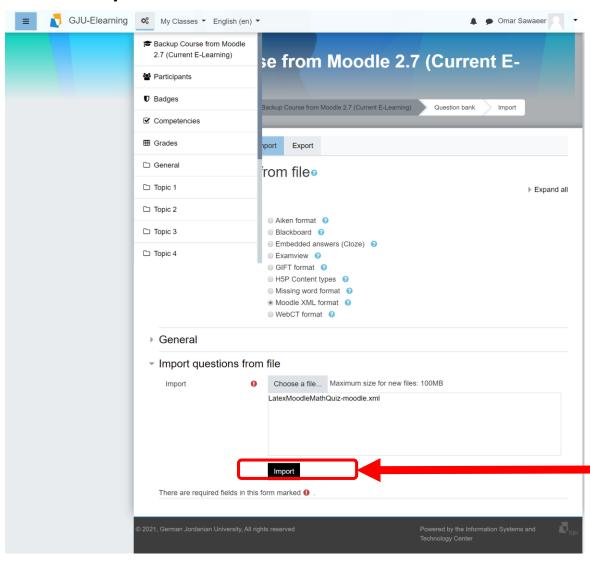
* After it finished, a new pdf and xml documents have been produced



❖ Now we just need to import the XML file into E-Learning

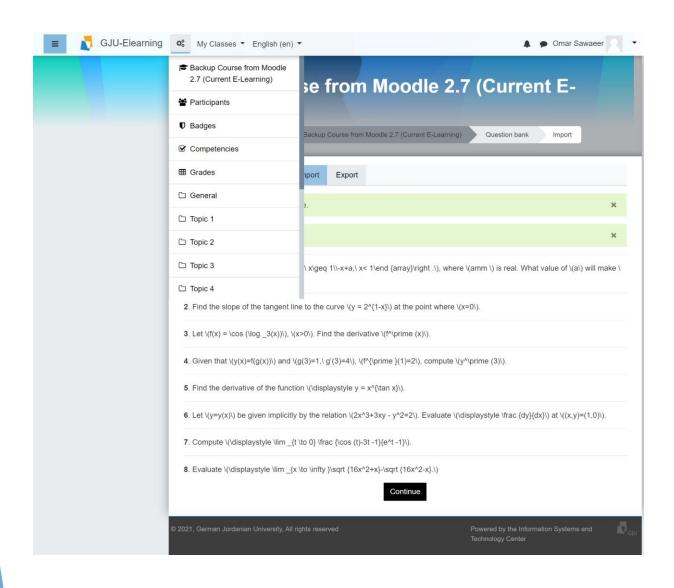


Click import

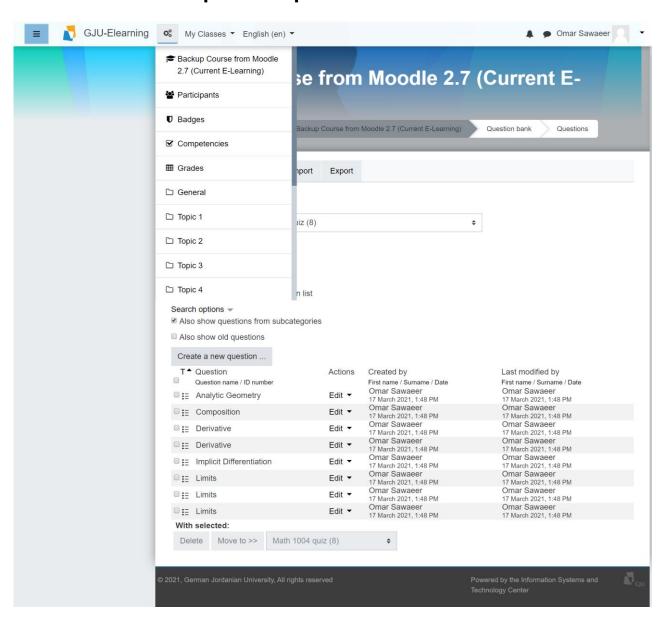


Click import

The questions imported successfully! Now let's click continue and see it



Here is the imported questions



Don't forget to preview your questions

