

AcroTeX.Net

**The eq-fetchbbl Package
Creating Quizzes to match Bible
Passages with Verses**

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Table of Contents

1 Introduction	3
2 Declaring Bible verses and passages	3
3 Basic commands and environments	4
4 Other customizations	7

1. Introduction

The `eq-fetchbbl` package is an application to the `exerquiz` (`eq`) and `fetchbibpes` (`fetchbbl`) packages. This package defines several commands and two environments that are used to *conveniently* build quizzes that challenges the user to match Bible passages with their corresponding verse references. Technically speaking, such quizzes may be built without this package using the techniques illustrated in [Exerquiz: Match-type questions](#) and in [Exerquiz: Randomized matching-type questions](#).^{1,2} When working with Biblical topics, however, it is easier to incorporate the fetching capabilities of `fetchbibpes`. All the examples given here are reproduced, with additional variations, in the sample file `doc-examples.tex`, found in the `examples` folder of this distribution.

Match the quotations (NKJV) with the Bible references on the right. Each problem is worth 2 points; passing is 100%.

Therefore do not fear them. For there is nothing covered that will not be revealed, and hidden that will not be known.	A Acts 10:15
	B Luke 12:2
Then a voice came from heaven, “You are My beloved Son, in whom I am well pleased.”	C Mark 1:11
	D Ephesians 6:1
For there is nothing covered that will not be revealed, nor hidden that will not be known.	E Matthew 10:26
	F John 6:20

Answers:

Throughout this document, the markup for the above quiz is used to illustrate the commands and environments of this package.

2. Declaring Bible verses and passages

There are two ways of declaring Bible verses and passages:

- Through a database of verses:

```
\usepackage[deffolder=exmp]defs,
  useverses=verses}{fetchbibpes}[2021/03/08]
```

Refer to the demo file `bible-quiz-uv.tex` for an example of this method.

- Through direct specification of passages in the document using the `declareBVs` environment. Refer to the demo files `bible-quiz.tex` and `bible-quiz-rt.tex`.

This documentation earlier declares,³

¹<http://www.acrotex.net/blog/?p=1446>

²<http://www.acrotex.net/blog/?p=1449>

³This is an abbreviated listing, see `bible-quiz.tex` for the complete listing.

```

\begin{declareBVs*}
\BV(Mat 10:26 NKJV) Therefore do not fear them. For ...\null
\BV(Mar 1:11 NKJV) Then a voice came from heaven, ...\null
\BV(Luk 12:2 NKJV) For there is nothing covered ...\null
\end{declareBVs*}

```

These passages are used throughout this document.

3. Basic commands and environments

For Bible matching-type questions, Bible *passages* are matched with their corresponding *verse references*. In the discussion below, it is assumed that passages and verse references are within a quiz or `shortquiz` environment; they are listed in the `questions` environment of the quiz. Familiarity with the quizzes of `AeB` is assumed.

Passages. The passages are entered in the `Bb1Psg` (Bible Passages) environment. The passages themselves are typeset using the `\qFP` command (quiz-`Fetch-Passage`) for a quiz and the `\sFP` command (short-quiz-`Fetch-Passage`) for a short-quiz. The syntax is,

```

\begin{Bb1Psg}
  \item\qFP[⟨opts1⟩]{⟨book1⟩_⟨ch1⟩:⟨vrs1⟩} (eg, \qFP{Mat 10:26})
  ⋮
  \item\qFP[⟨optsn⟩]{⟨bookn⟩_⟨chn⟩:⟨vrsn⟩} (eg, \qFP{Luk 12:2})
\end{Bb1Psg}

```

The optional arguments (*opts*) are passed to the underlying `\fetchversestxt` command of the `fetchbibpes` package; read the source file of `bible-quiz-uv.tex` for examples of the optional argument.

Verse References. The verse references are entered into the `Bb1Vrs` (Bible Verses) environment. The verses are typeset using the `\qFV` command (quiz-`Fetch-Verse`) for a quiz and the `\sFV` command (short-quiz-`Fetch-Verse`) for a short-quiz. The syntax is similar to the above.

```

\begin{Bb1Vrs}
  \item\qFV[⟨opts1⟩]{⟨book1⟩_⟨ch1⟩:⟨vrs1⟩} (eg, \qFV{Mat 10:26})
  ⋮
  \item\qFV[⟨optsn⟩]{⟨bookn⟩_⟨chn⟩:⟨vrsn⟩} (eg, \qFV{Luk 12:2})
\end{Bb1Vrs}

```

It is natural to include *more verse references* than passages as distractions.

Numbering the passages. The Bible passages may be presented with or without problem numbers; the default is to provide no problem numbers.

```
\useNumbersOn
\useNumbersOff
\begin{BblPsg}
...
\end{BblPsg}
```

The command `\useNumbersOn` turns on numbering (within the `BblPsg` environment only), while `\useNumbersOff` turns off numbering. The placement of these commands is prior to the opening of the `BblPsg` environment. The default is `\useNumbersOff`.

Positioning the `\CorrAnsButton` and `\sqTallyBox` controls. The `eq-fetchbbl` package for positioning the `\CorrAnsButton` and `\sqTallyBox` controls.⁴

```
\adjCAB[modify#1]{modify#2} (positions \CorrAnsButton)
\adjTBX[modify#1]{modify#2} (positions \sqTallyBox)
```

Here, `#1` refers to `\hfll` that is inserted following the Bible passage, and `#2` refers to `\CorrAnsButton` (for quiz) and `\sqTallyBox` (for short-quiz). The defaults are `\adjCAB{#2}` and `\adjTBX{#2}`.

Let's go to the examples.

- `\adjCAB[\space]{#2}` places a space just after the end of the passage followed by the control (either `\CorrAnsButton` or `\sqTallyBox`),
- `\adjCAB[]{}` removes the control `\CorrAnsButton` (`\sqTallyBox`) from the quiz (short-quiz).
- `\adjCAB{\makebox[Opt][l]{\enspace#2\enspace}}` pushes control into the right margin.

The placement of `\adjCAB` and `\adjTBX` is just above the question it is to effect.

Example. In the quiz below, the commands,

```
\begin{questions}
\useNumbersOn
\adjCAB{\makebox[Opt][l]{\enspace#2\enspace}}
\begin{BblPsg}
...
\end{BblPsg}
...
\end{questions}
```

are specified above the `\begin{BblPsg}` line, as shown. (They can, of course, appear above the `questions` environment as well.) The space between the passages on the left and the verse references on the right is increased to accommodate the `\CorrAnsButton`.

⁴Again, we assume familiarity with the quiz and short-quiz of `exerquiz`.

Match the quotations (NKJV) with the Bible references on the right. Each problem is worth 2 points; passing is 100%.

- | | |
|--|---|
| 1. Therefore do not fear them. For there is nothing covered that will not be revealed, and hidden that will not be known. | A Acts 10:15
B Luke 12:2
C Mark 1:11
D Ephesians 6:1
E Matthew 10:26
F John 6:20 |
| 2. Then a voice came from heaven, “You are My beloved Son, in whom I am well pleased.” | |
| 3. For there is nothing covered that will not be revealed, nor hidden that will not be known. | |
| 4. The quotation “Treasures of wickedness profit nothing, But righteousness delivers from death” is a verse from which of the following books? | |

Psalms Isaiah Proverbs Jonah

Answers:

There are two alternate positions for the `\CorrAnsButton` or `\sqTallyBox` controls. The insertion point for `\priorRBT` is just *prior* to the underlying `\RespBoxTxt` command, while the insertion point for `\priorPsg` is just *prior* to the passage.

```
\priorRBT{modify#1} \priorPsg{modify#1}
```

Here, #1 is `\CorrAnsButton` for the quiz environment and is `\sqTallyBox` for the `shortquiz` environment. The defaults are `\priorRBT{}` and `\priorPsg{}`, which means there is no insertion prior to `\RespBoxTxt` or to the passage. For example,

```
\useNumbersOn
\priorRBT{\makebox[0pt][1]{\hspace{\linewidth}\enspace#1\enspace}}
\adjCAB{} % So Ans does not appear at the end of the line
\begin{Bb1Psg} % make changes before Bb1Psg opens
```

Match the quotations (NKJV) with the Bible references on the right. Each problem is worth 2 points; passing is 100%.

- | | |
|--|---|
| Therefore do not fear them. For there is nothing covered that will not be revealed, and hidden that will not be known. | A Acts 10:15
B Luke 12:2
C Mark 1:11
D Ephesians 6:1
E Matthew 10:26
F John 6:20 |
| Then a voice came from heaven, “You are My beloved Son, in whom I am well pleased.” | |
| For there is nothing covered that will not be revealed, nor hidden that will not be known. | |

Answers:

When you take this quiz, you'll notice that the `\CorrAnsButton` (Ans) button is aligned with the first line of the passage rather than the last line of the passage.

The previous quiz used `\priorRBT`, the command `\priorPsg` is illustrated in the `doc-example.tex` file.

Using a numbering scheme (`\useNumbersOn`) allows a consistent structure of incorporating other types of questions into the quiz, as shown above.

You can change the appearance properties of the underlying `\RespBoxTxt` command with the `\everyRespBoxTxt` command; as was done in the previous quiz, in which `\everyRespBoxTxt{\textColor{blue}}` is expanded just below the `\adjCAB` command.

A final note. For matching, there are two “blocks” of items, the passages and the verse references. The document author determines how to present these two blocks. Originally, I used a `multicols` environment; later, I switched over to enclosing the two blocks in separate `minipages` and placing them side-by-side. Both methods have problems if your cross a page boundary.

4. Other customizations

The color of the verse references labels is, by default, blue. (A, B, ...) Change this color with the `exerquiz` command `\quesNumColor`; eg, `\quesNumColor{red}` changes the verse references labels to the color red. Any other changes to the labeling of verse references requires a redefinition of `BibVrs`. Refer to `doc-examples.tex` for an example of redefining `BibVrs`.

```
\setRBTwidthTo{<content>} (both define \RBTwidth)
\setRBTwidth{<length>}
```

Both commands define `\RBTwidth` to a width determined by their arguments. For `\setRBTwidthTo`, `<content>` is any text; it is measured to determine its width and the width becomes the expansion of `\RBTwidth`. For `\setRBTwidth`, `<length>` and any length, `\RBTwidth` then is defined to expand to `<length>`. The command `\RBTwidth` is the width of the `\RespBoxTxt` control; its default value is `\setRBTwidthTo{AA}`.

Now, I simply must get back to my retirement. ~~DS~~