

verbatim-package-demo.tex

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This document demonstrates the `verbatim` environment and `\verbatiminput` command. It also demonstrates the `comment` environment, but you have to look at the TeX source to see that (of course).

Here is a short piece of Maple code to demonstrate the the `verbatim` environment:

```
> eqn:=diff(y(t),t,t)+4*y(t)=0:
> inits:=y(0)=1,D(y)(0)=-1:
> dsolve({eqn,inits},y(t));
```

$$y(t) = -\frac{1}{2} \sin(2t) + \cos(2t)$$

To demonstrate the `\verbatiminput` command this file will input itself, which is pretty cool. To make sure this file can find itself to input, we use the `\jobname` command in the argument to `\verbatiminput`. Thus everything will work even if you rename this file.

Normally of course, you would use the name of the file you wish to include.

To TeX this demo do a latex `verbatim-package-demo`, where `verbatim-package-demo` is replaced by whatever name you gave to this L^AT_EX 2_ε file.

Here's the L^AT_EX 2_ε source

```
%% verbatim-package-demo.tex
%% Bent E. Petersen
%% Oct 23, 2000
```

```
\documentclass[11pt]{article}
\usepackage{verbatim}
```

```
\setlength{\parindent}{0pt}
\setlength{\parskip}{10pt plus 6pt minus 4pt}
```

```
\title{\jobname.tex}
\author{Bent Petersen}
\date{Oct 23, 2000}
```

```
\begin{document}
\maketitle
```

This document demonstrates the `\verb=verbatim=` environment and `\verb=\verbatiminput=` command. It also demonstrates the `\verb=comment=` environment, but you have to look at the TeX source to see that (of course).

Here is a short piece of Maple code to demonstrate the `\verb=verbatim=` environment:

```
\begin{verbatim}
> eqn:=diff(y(t),t,t)+4*y(t)=0:
> inits:=y(0)=1,D(y)(0)=-1:
> dsolve({eqn,inits},y(t));
\end{verbatim}
$$
\mathrm{y}(t)= - \frac{1}{2}\, \sin(2\,t) + \cos(2\,t)
$$
```

```
\begin{comment}
```

Put a few paragraphs you have not decided about yet here for future work. They will not appear in the output. You can also put comments or reminders here. For example, you may want to remind yourself that

Maple has a nice LaTeX export feature which may be more convenient than the by-hand approach used above.

```
\end{comment}
```

To demonstrate the `\verb=\verbatiminput=` command this file will input itself, which is pretty cool. To make sure this file can find itself to input, we use the `\verb=\jobname=` command in the argument to `\verb=\verbatiminput=`. Thus everything will work even if you rename this file.

Normally of course, you would use the name of the file you wish to include.

To TeX this demo do a `{\sffamily latex verbatim-package-demo}`, where `{\sffamily verbatim-package-demo}` is replaced by whatever name you gave to this `\LaTeXe{}` file.

```
\section*{Here's the \LaTeXe{} source}
```

```
\verbatiminput{\jobname.tex}
```

```
\end{document}
```