

L^AT_EX Lists

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- `itemize`: Lists without counting.

Example 1. Input:

```
\begin{itemize}
\item apple
\item berry
\begin{itemize}
\item strawberry
\item blueberry
\end{itemize}
\end{itemize}
```

Output:

- apple
- berry
 - strawberry
 - blueberry

Most of this page is formatted in an `itemize` list.

- `enumerate`: lists with counting.

Example 2. Input:

```
\begin{enumerate}
\item apple
\item berry
\begin{enumerate}
\item strawberry
\item blueberry
\end{enumerate}
\end{enumerate}
```

Output:

1. apple
2. berry
 - (a) strawberry
 - (b) blueberry

- `description`: lists headed by a word

Example 3. Input:

```
\begin{description}
\item[apple] a crisp, red or green fruit.
\item[berry] a small, succulent fruit.
\begin{description}
\item[strawberry] a ``false'' berry that is
red, oblong, and covered
in seeds.
\item[blueberry] a true berry that is blue,
spherical, and contains a
relatively small number of seeds.
\end{description}
\end{description}
```

Output:

apple a crisp, red or green fruit.
berry a small, succulent fruit.
strawberry a “false” berry that is red, oblong,
and covered in seeds.
blueberry a true berry that is blue, spherical, and
contains a relatively small number of seeds.

- Customizing labels for `enumerate`, using built-in commands.

Example 4. Input:

```
\begin{enumerate}
\renewcommand{\labelenumi}{\roman{enumi}.}
\renewcommand{\labelenumii}{\Alph{enumii}.}
\item apple
\item berry
\begin{enumerate}
\item strawberry
\item blueberry
\end{enumerate}
\end{enumerate}
```

Output:

- i. apple
- ii. berry
 - A. strawberry
 - B. blueberry

- Customizing labels for `itemize`, using built-in commands.

Example 5. Input:

```
\begin{itemize}
\renewcommand{\labelitemi}{\circ}
\renewcommand{\labelitemii}{\dagger}
\item apple
\item berry
\begin{itemize}
\item strawberry
\item blueberry
\end{itemize}
\end{itemize}
```

Output:

- apple
- berry
 - † strawberry
 - † blueberry

- Customizing labels using the `enumitem` package.

The previous examples can be recreated as follows

```
\usepackage{enumitem}
\setenumerate[1]{label=\roman*.}
\setenumerate[2]{label=\Alph*.}
\setitemize[1]{label=\circ}
\setitemize[2]{label=\dagger}
\end{enumitem}
```

- Customizing lengths using the `enumitem` package.

The following will change the length of various vertical spaces to 0 inches.

```
\usepackage{enumitem}
\setlist[itemsep=0in, parsep=0in, topsep=0in]
```