

The structure of lists in \LaTeX is identical for each type, but with a different keyword. Lists are another example of \LaTeX environments, the pair of matched commands surrounding some text which needs special treatment.

Within a list environment, list items are always identified by the command `\item` (optionally followed by an item label). Normally you don't type the bullet or the number, it's all automated.

6.1.1 Itemized lists

To create an itemized list, use the the environment `itemize`:

```
\begin{itemize}

\item Itemized lists usually have a bullet;

\item Long items use 'hanging indentation', whereby the text
is wrapped with a margin which brings it clear of the bullet
used in the first line of each item;

\item The bullet can be changed for any other symbol, for
example from the \textsf{bbding} or \textsf{pifont} package.

\end{itemize}
```

- ☞s Itemized lists usually have a bullet;
- ☞s Long items use 'hanging indentation', whereby the text is wrapped with a margin which brings it clear of the bullet used in the first line of each item;
- ☞s The bullet can be changed for any other symbol, for example from the `bbding` or `pifont` package.

See session 9 for details of how to change the settings for list item bullets.

6.1.2 Enumerated lists

To create an enumerated list, use the environment `enumerate`:

```
\begin{enumerate}

\item Enumerated lists use numbering on each item;
```

```
\item Long items use hanging indentation just the same as for
itemized lists;

\item The numbering system can be changed for any level.

\end{enumerate}
```

1. Enumerated lists use numbering on each item;
2. Long items use ‘hanging indentation’, just the same as for itemized lists;
3. The numbering system can be changed for any level.

6.1.3 Description lists

To create a description list, use the environment `description`:

```
\begin{description}

\item[Identification:] description lists require a topic for
each item given in square brackets;

\item[Hanging indentation:] Long items use this in the same
way as all lists;

\item[Reformatting:] Long topics can be reprogrammed to fold
onto multiple lines.

\end{description}
```

- Identification:** description lists require a topic for each item given in square brackets;
- Hanging indentation:** Long items use this in the same way as all lists;
- Reformatting:** Long topics can be reprogrammed to fold onto multiple lines.

6.1.4 Inline lists

Inline lists are a special case as they require the use of the `paralist` package and the `inparaenum` environment (with an optional formatting specification in square brackets):