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 \texttt{\textbackslash 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 \texttt{itemize} environment:

```
\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}
```

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 \texttt{enumerate} environment:

```
\begin{enumerate}
  \item Enumerated lists use numbering on each item;
\end{enumerate}
```
6.1. Lists

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 \texttt{inparaenum} environment (with an optional formatting specification in square brackets):

\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}