1 Introduction

Many things in LATEX can be referenced, such as sections, subsections, subsections, tables, figures, individual items in a list, equations etc. The commands used are the same, no matter what you are referencing. These are:

\label{marker} - this is used to mark the thing you are referencing
\ref{marker} - this returns the reference to the thing you are marking
\pageref{marker} - this returns the page number of the thing you are marking

1.1 Conventions

It is common among LATEX users to start the marker with a few specific letters to indicate what it is they are referencing. E.g. an example marker for a figure would be fig:exampleImage, but for a section, it would be sec:exampleSection. Table 1 outlines the convention used:

ch:	chapter
sec:	section
subsec:	subsection
fig:	figure
tab:	table
eq:	equation
lst:	code listing
itm:	enumerated list item
alg:	algorithm
app:	appendix subsection

Table 1: Conventions used

2 Examples

2.1 Figures

To reference a picture, add the \label command after the caption line:



Figure 1: The K2 mountain in Baltistan

Figure 1 on page 2 shows a picture of the K2 mountain.

2.2 Sections

We can also reference a subsection by placing a **\label** command right after the subsection line, e.g. we talked about conventions in section 1.1 on page 1.

2.3 Lists

- 1. Dog
 - (a) Labrador
 - i. English Labrador
 - ii. American Labrador
 - (b) Alsation
 - (c) Pug
- 2. Cat

- Persian
- British shorthair
- Siamese
- Bengal

As we can see from item 1(a)i, the English Labrador is a type of dog.

Also, as we can see from item 2, there is a type of cat which is called a Persian cat.

3 Final warning

Often in LATEX, you need to compile a document more than once for it to compile properly. If you put in new references, then compile your document, you will come up with a warning such as:

Reference 'itm:englishLab' on page 3 undefined on input line 82.

Just compile the document again, and the warning should go away. If it doesn't, make sure you have written the reference down correctly and that the \label command is there. In the case of figures and tables, ensure that the \label command is after the \caption command.