

Latex Resources for Writing Programming Books

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Chapter 1

Examples

`programmingbook` is a package that I use to write programming books. It requires `listing` package and you can use it to write books in Chinese (with CJK). The latex source will look like this.

```
\documentclass[11pt,twoside]{book}

\usepackage{CJK}
\usepackage{programmingbook}

\begin{document}
\begin{CJK}{UTF8}{bsmi}
% your book here.
\end{CJK}
\end{document}
```

1.1 Program Listing

Use `programlisting` to list a program. The first argument is the file name, and the second argument is the caption.

```
\programlisting{scan-print.c}{從鍵盤讀入再將其顯示}
```

The previous code will produce the following.

範例 1.1: (`scan-print.c`) 從鍵盤讀入再將其顯示

```
1 #include <stdio.h>
2 main()
```

```
3 {  
4     int i;  
5     scanf("%d", &i);  
6     printf("%d\n", i);  
7 }
```

1.2 Input/Output Listing

Use `programinput` and `programoutput` to list program input and output. Note that we use `file.in` and `file.out` as the default file names to print if given the name `file`.

```
\programinput{scan-print}  
\programoutput{scan-print}
```

The previous code will produce the following.

輸入

1 100

輸出

1 100