Number System for CS2100

WANG Xiyu

August 17, 2024

Contents

1 Data Representation

Data representation depends on the data type. For example, the same binary '01000110' represents 70 as an integer, but 'F' as a character. The most basic unit for internal data representation is bit, which is either 0 or 1. A byte contains 8 bits, a nibble contains 4 bits etc. Multiples of bytes such as 1 byte, 2 bytes and 4 bytes are 'words', depending on the specific

2 Section Title

2.1 Subsection Title

2.1.1 Subsubsection Title

```
// Add your code example here
```

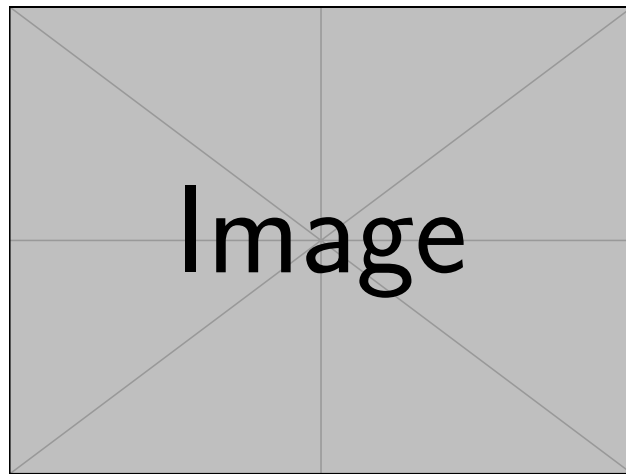| Column 1	Column 2	Column 3
Data 1	Data 2	Data 3

Table 1: Table caption

Figure 1: This is a sample caption.