

## 1 Introduction

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## 2 This Section

In section 2 there are examples of the various types of lists<sup>1</sup>:

**Item 1 header** This is item one...The quick brown fox jumps over the lazy dog. The quick brown fox jumps over the lazy dog.

**Item 2 header** This is item one...The quick brown fox jumps over the lazy dog. The quick brown fox jumps over the lazy dog.

**Item 3 header** This is item one...The quick brown fox jumps over the lazy dog. The quick brown fox jumps over the lazy dog.

1) **Item 1 header** — This is item one...The quick brown fox jumps over the lazy dog.

2) **Item 2 header** — This is item two...The quick brown fox jumps over the lazy dog.

3) **Item 3 header** — This is item three...The quick brown fox jumps over the lazy dog.

► **Item 1 header** — This is item one...The quick brown fox jumps over the lazy dog.

► **Item 2 header** — This is item two...The quick brown fox jumps over the lazy dog.

► **Item 3 header** — This is item three...The quick brown fox jumps over the lazy dog.

<sup>1</sup>These correspond to the <dl>, <ol>, & <ul> HTML tags.

### 3 The Other Section

lazy dog.

In section 3 there are examples of mathematics:

$$y = mx + b \quad \text{Linear} \quad (3.1)$$

$$f(x) = \int_{-\infty}^{+\infty} e^{i\theta} d\theta \quad \text{Integral} \quad (3.2)$$

$$z = 2^k - \binom{k}{1} 2^{k-1} + \binom{k}{2} 2^{k-2} \quad \text{Binomial} \quad (3.3)$$

$$f(n) = \quad (3.4)$$

$$f(n) = \quad (3.5)$$

$$\binom{n}{k} = \begin{cases} 1 & \binom{n}{0} \\ 1 & \binom{n}{n} \\ \binom{n-1}{k-1} + \binom{n-1}{k} & 0 \leq k \leq n \end{cases} \quad (3.6)$$

### References

Bretscher, O. (2009). *Linear algebra with applications* (4th). Pearson Prentice Hall. <http://isbn.nu/9780136009269>

### 4 The Code Section

```
1 //34567890123456789012345678901234567890123456789012345678901234567890
2 public static String foo() {
3     return "FOO";
4 }
```

Listing 1: foo method

### 5 Conclusion

This last section provides a citation so that a bibliography is automatically included (Bretscher, 2009).

- **Item 1 header** — This is item one...The quick brown fox jumps over the lazy dog.
- **Item 2 header** — This is item two...The quick brown fox jumps over the lazy dog.
- **Item 3 header** — This is item three...The quick brown fox jumps over the lazy dog.

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