

## 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:

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

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

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

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

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

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

### 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.

This is item three...The quick brown fox jumps over the lazy dog. This is item three...The quick brown fox jumps over the lazy dog. This is item three...The quick brown fox jumps over the lazy dog. This is item three...The quick brown fox jumps over the lazy dog.

### References

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