

# Some Class Lecture Notes

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# Chapter 1

## Starting a new chapter

### 1.1 Demo of commands

#### Definition 1.1: Some defintion

yap

#### Question 1: Some question

yap

#### Solution

*Some proof:* yap



#### Note:

Some note

#### Theorem 1.1 Some theorem

yap

#### Wrong Concept 1.1: Some wrong concept

yap

#### Lemma 1.1 Some lemma

yap

#### Proposition 1.1 Some proposition

yap

#### Example 1.1 (Some example)

yap

#### Claim 1.1 Some claim

yap

**Corollary 1.1** Some corollary

yap

Some unlabeled theorem

This is a new paragraph

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**Algorithm 1:** Some algorithm

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**Input:** input**Output:** output*/\* This is a comment \*/*

```
1 This is first line ;                                // This is also a comment
2 if  $x > 5$  then
3   | do nothing
4 else if  $x < 5$  then
5   | do nothing
6 else
7   | do nothing
8 end
9 while  $x == 5$  do
10  | still do nothing
11 end
12 foreach  $x = 1 : 5$  do
13  | do nothing
14 end
15 return return nothing
```

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