

Chapter 1

Loops

1.1 List based loops

The sun is rising.The sun is shining.The sun is setting.

1.2 Range based loops

135

1.3 Loops using repeat

1 3 5 7 9

Chapter 2

Arrays

Basics taken from topskip on SO (<https://stackoverflow.com/questions/2647674/does-latex-have-an-array-data-structure>). Array implementation expands on this in a more generic way.

2.1 Declaration

2.2 Access hardcoded

myfirstelement

2.3 Access using variable

mysecondelement

2.4 Stack

2.4.1 Looping over it

- first item
- second item
- third item

2.4.2 Pushing and popping

third item
second item
fifth item
fourth item

2.4.3 Looping over it (again)

- first item

Chapter 3

Map

3.1 Simple test

Content of newmap

- first test string
- second test string

3.2 Collision

Content of collisionmap

- three
- one

- two
- new
- four

Content of collisionmap

- three
- one
- new
- four

new value

Chapter 4

Context

Content of Formulas

Content of Alice

4.1 Formula

This section introduces the pythagorean theorem.

Content of Formulas

- pythagorean theorem

4.2 Hutmacher

Alice received a beautiful hat from the Hutmacher.

Content of Alice

- beautiful hat

4.3 Big Bad Bear

Unfortunately the big bad bear stole Alice's beautiful hat. ■

Content of Alice

- does not like the bear

4.4 What happened so far

Content of Alice

- does not like the bear

Content of Formulas

- pythagorean theorem