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Introduction

This is a sample [GitHub style markdown](#) file. Top level headers are chapters and other headings are for sub-sections.

Python

- Lists are declared within [] and elements are separated by ,
- Each element can be of any data type, including list data type

Example

Use for loop to iterate over a list.

```
numbers = [2, 12, 3, 25, 624, 21, 5, 9, 12]
odd_numbers = []
even_numbers = []
```

```
for num in numbers:
    odd_numbers.append(num) if (num % 2) else even_numbers.append(num)

print(f'numbers: {numbers}')
print(f'odd_numbers: {odd_numbers}')
print(f'even_numbers: {even_numbers}')
```

Ruby

- Arrays are declared within [] and elements are separated by ,
- Each element can be of any data type, including array data type

Example

Use `each` method to iterate over an array.

```
numbers = [2, 12, 3, 25, 624, 21, 5, 9, 12]
odd_numbers = []
even_numbers = []
```

```
numbers.each { |n| n.even? ? even_numbers.append(n) : odd_numbers.append(n)}
```

```
puts "numbers:      #{numbers}"
puts "odd_numbers:  #{odd_numbers}"
puts "even_numbers: #{even_numbers}"
```

CLI

Executing the Python and Ruby programs mentioned in previous chapters:

```
$ python3.7 list_looping.py
numbers:      [2, 12, 3, 25, 624, 21, 5, 9, 12]
odd_numbers: [3, 25, 21, 5, 9]
even_numbers: [2, 12, 624, 12]

$ ruby array_looping.rb
numbers:      [2, 12, 3, 25, 624, 21, 5, 9, 12]
odd_numbers: [3, 25, 21, 5, 9]
even_numbers: [2, 12, 624, 12]
```

Conclusion

This sample file helps you see a demo for markdown to pdf conversion using pandoc.

- fruit
 - apple
 - mango
 - grape
 - * green
 - * black seedless
- pet
 - cat
 - dog
 - parrot

GitHub Flavored Markdown (GFM) specific syntax

check box

- fruit
 - ☐ apple
 - ☐ mango
 - ☒ grape
 - ☐ green
 - ☒ black seedless

tables

| Header 1 | Header 2 | Header 3 |
|----------|----------|----------|
| Cell 1 | Cell 2 | Cell 3 |
| Cell 4 | Cell 5 | Cell 6 |

Code Blocks with Language Specifier

```
function greet(name) {  
    console.log(`Hello, ${name}!`);  
}  
  
greet("World");
```