Contents

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