

# PARSING JSON

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## LESSON

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# LEARNING OBJECTIVE

**Parse JSON data from Strings**

## QUESTION

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**WHY BOTHER?**

**LESSON**

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# TRANSLATING JSON

JSON

**STRING**

SWIFT

**STRING**

JSON

**NUMBER**

SWIFT

**INT/DOUBLE**

JSON

**BOOLEAN**

SWIFT

**BOOL**

JSON

**ARRAY**

SWIFT

**NSARRAY**



JSON

**OBJECT**

SWIFT

**NSDICTIONARY**

JSON

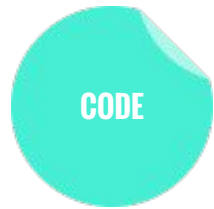
**NULL**

SWIFT

**NIL**

# OPEN THE STARTER CODE

## DIRECTIONS



**5 mins**

Open the starter code

**DEMO**

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# FOLLOW-ALONG

Parsing an Array

# PRACTICE: PARSE AN ARRAY

## DIRECTIONS

Parse the Arrays in the sample code



CODE

**10 mins**

**DEMO**

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# FOLLOW-ALONG

Parsing an Object

# PRACTICE: PARSE AN OBJECT

## DIRECTIONS

Parse the Objects in the sample code



CODE

**10 mins**

**LESSON**

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# MODELING JSON DATA



## JSON

```
{  
  "name" : "Fringe Soundtrack",  
  "artist" : "Chris Tilton",  
  "tracks" : 29,  
  "year" : 2011  
}
```

## SWIFT

```
struct Album {  
    let name: String  
    let artist: String  
    let tracks: Int  
    let year: Int  
}
```

**DEMO**

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# FOLLOW-ALONG

Modeling JSON Data

# PRACTICE: COMPLETE THE LOOK

## DIRECTIONS



CODE

**15 mins**

- + Model the JSON Data in a Swift struct or class
- + Parse the JSON Data into an instance of the class you created

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## CONCLUSION

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# TAKEAWAYS

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## CONCLUSION

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JSON parsing is laborious

## CONCLUSION

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Read and understand data from  
the Web

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**LESSON**

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**Q & A**

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**THANKS!**

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## **WELLINGTON MORENO**

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# FOR INSTRUCTOR PURPOSES ONLY

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## MATERIALS

- + [Lab](#)
- + [Lesson Plan](#)