

# THINK LIKE A NEWSBOT: VARIABLES

Lesson 7





**IMAGINE YOU'RE MOVING...**





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# LET'S GET STARTED

- How do you pack?
- How do you organize and label all the boxes?



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# IMPORTANT VOCABULARY

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Think about apps you use everyday.

Where and when are variables used?





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# NEWSBOT

1. Think about a routine stories in the newspaper like the weather report or a sports report.
2. What information do you need to write a short news report of your own?
3. Each of you should pick one type of news report. Write 4 -6 variables needed in your report.



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# NEWSBOT

4. Write 2-3 sentences about your story using the variables. NewsBot will fill in the variables, so your sentences should look like this:

The teamOneName and the teamTwoName faced off at ballfieldName. The final score was teamOneName teamOneFinalScore to teamTwoName teamTwoFinalScore.



# NEWSBOT

4. Write 2-3 sentences about your story using the variables. NewsBot will fill in the variables, so your sentences should look like this:

The teamOneName and the teamTwoName faced off at ballfieldName. The final score was teamOneName teamOneFinalScore to teamTwoName teamTwoFinalScore.



# NEWSBOT IN ACTION

5. Remember to change the font color of the variables so NewsBot knows where to fill in information.
6. Now, pick a partner.
7. Test your story with your partner. Ask them to provide answers to your variables to fill in your story.
8. Remember to switch so you both provide answers to each other's stories.



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# LET'S DISCUSS

1. Do your stories make sense?
2. Are your stories reusable with different data?
3. Did any variable names work better than others?  
Why or why not?



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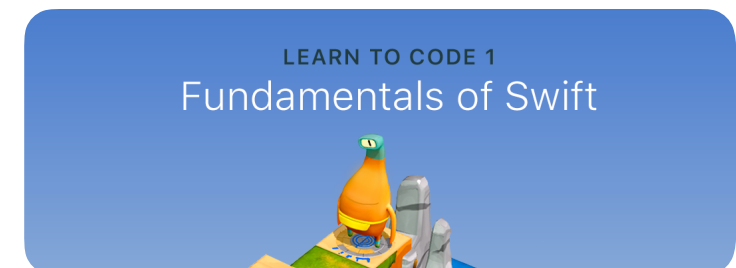


# TIME FOR SWIFT PLAYGROUNDS

## Chapter: Variables

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**REMINDER:** Take videos and or photos of your playgrounds. You will need them for your portfolio.



Variables	
Introduction	✓
Keeping Track	✓
Bump Up the Value	✓
Incrementing the Value	✓
Seeking Seven Gems	✓
Three Gems, Four Switches	✓
Checking for Equal Values	✓
Round Up the Switches	✓
Collect the Total	✓

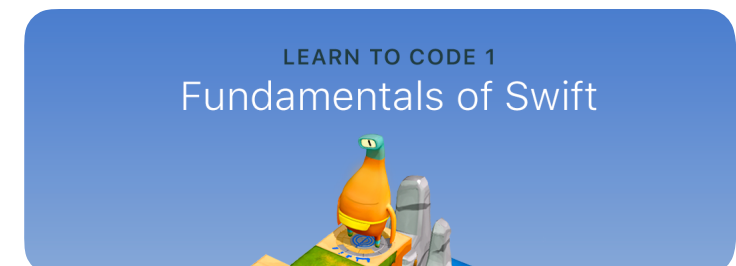


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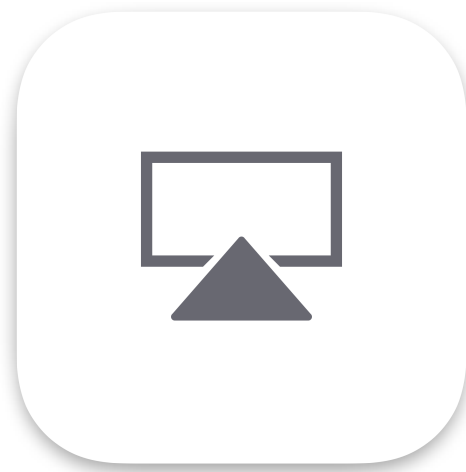
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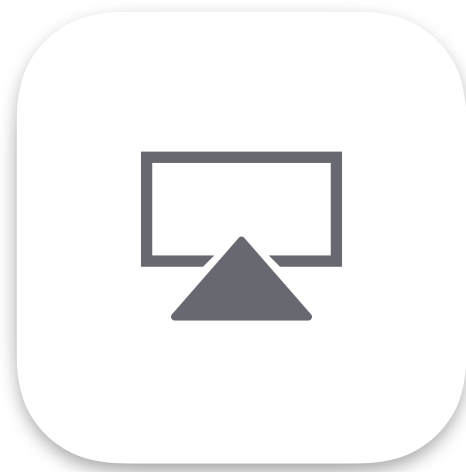
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Share what you did in Swift  
Playgrounds with AirPlay.





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# LET'S REFLECT

1. How did using variables help you in the app?
2. Now, look at some news articles. Can you spot the ones that could have been written with a NewsBot?
3. Airplay the ones you think are NewsBot articles.
4. Let's vote!

Think ahead: Are there different types of variables?





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# JOURNAL

1. Upload your NewsBot articles.
2. Upload screenshots from Swift Playgrounds.
3. Record answers to these questions:
  - What is a variable?  
(Use your own words.)
  - What do you know about thinking like a NewsBot?

# JOURNAL

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