



### 3: Working With Variables





# What's a Variable?





# Using a Variable

```
1 <h1>{{ CurrentPerson | Uppcase }}</h1>
2 <p>
3     We're so glad you're here with us today!
4 </p>
5
```

**TED DECKER**

We're so glad you're here with us today!



# variable [ vair-ee-uh-buhl ]

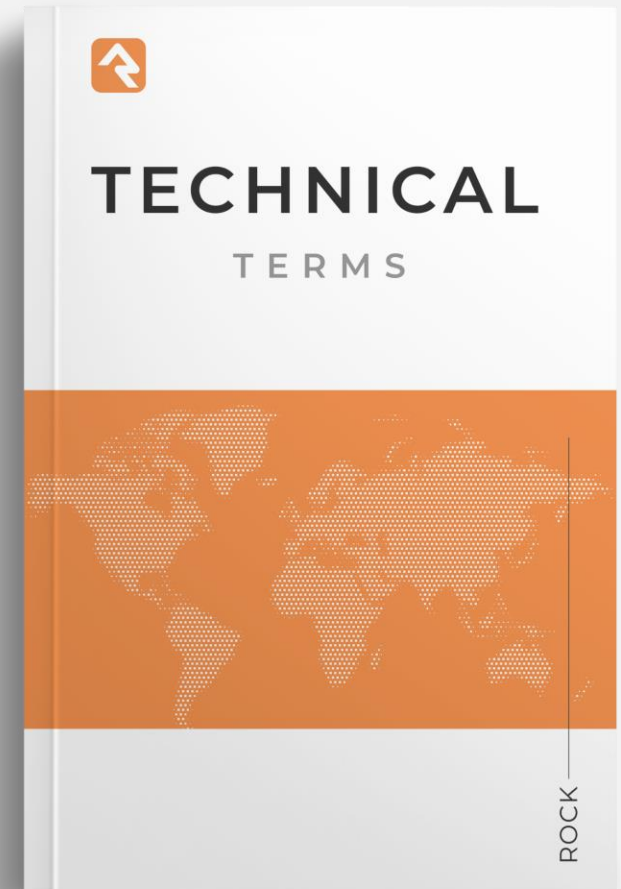
A named storage location whose content can vary in value.

---



## **Demystified:**

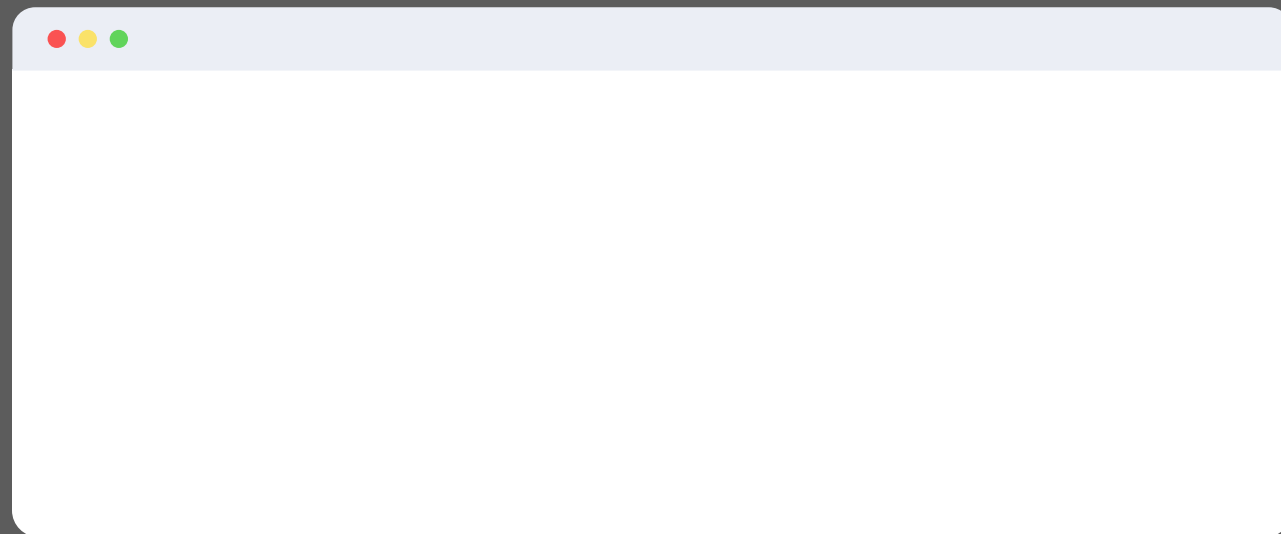
A variable in programming is like a labeled box for keeping and using things.





# Using a Variable

```
1 {% assign favoriteAnimal = 'dog' %}
```





# Using a Variable

```
1 {% assign favoriteAnimal = 'dog' %}  
2 {{ favoriteAnimal }}
```



dog



# Using a Variable

```
1 {% assign favoriteAnimal = 'dog' %}  
2 {{ favoriteAnimal }}<br>  
3 {{ 'favoriteAnimal' }}
```

A mockup of a web browser window with a light blue header bar containing three colored dots (red, yellow, green). The main content area is white and displays the rendered output of the code above.

**dog**  
**favoriteAnimal**



# Using a Variable

```
1 {% assign favoriteAnimal = 'dog' | Pluralize %}  
2 {{ favoriteAnimal }}
```



**dogs**





# Using a Variable

```
1 {% assign favoriteAnimal = 'dog' %}  
2 {{ favoriteAnimal | Pluralize }}
```

A mockup of a web browser window with a light gray title bar containing three colored window control buttons (red, yellow, green). The main content area is white and displays the word "dogs" in a bold, black, sans-serif font.

**dogs**



# Using a Variable

```
1 {% assign favoriteAnimal = 'dog' %}  
2 {{ favoriteAnimal | Pluralize }}<br>  
3 {{ favoriteAnimal }}
```



dogs  
dog



# Using a Variable

```
1 {% assign favoriteAnimal = 'dog' %}  
2 {% assign firstAnimal = favoriteAnimal %}  
3  
4 favoriteAnimal: {{ favoriteAnimal }}<br>  
5 firstAnimal: {{ firstAnimal }}
```

**favoriteAnimal: dog**  
**firstAnimal: dog**



# Using a Variable

```
1 {% assign me = CurrentPerson %}  
2  
3 CurrentPerson's Nickname: {{ CurrentPerson.NickName }}<br>  
4 My Nickname: {{ me.NickName }}
```



**CurrentPerson's Nickname: Ted**  
**My Nickname: Ted**



# Reassigning Variables

```
1  {% assign favoriteAnimal = 'dog' %}  
2  {% assign firstAnimal = favoriteAnimal %}  
3  {% assign favoriteAnimal = 'cat' %}  
4  
5  favoriteAnimal: {{ favoriteAnimal }}<br>  
6  firstAnimal: {{ firstAnimal }}
```

**favoriteAnimal: cat**  
**firstAnimal: dog**



# Reassigning Variables

```
1 {% assign favoriteAnimal = cat %}  
2 {% assign favoriteAnimal = favoriteAnimal | Prepend:'furry ' | Pluralize %}  
3 {{ favoriteAnimal }}
```

**furry cats**



# Reassigning Variables

```
1 {% assign value = 1 %}  
2 {% assign value = value | Plus:1 %}  
3 {{ value }}
```

2



# Reassigning Variables

```
1  {% assign value = 1 %}  
2  {{ value }}<br>  
3  
4  {% assign value = value | Times:2 %}  
5  {{ value }}<br>  
6  
7  {% assign value = value | Times:2 %}  
8  {{ value }}<br>
```

1

2

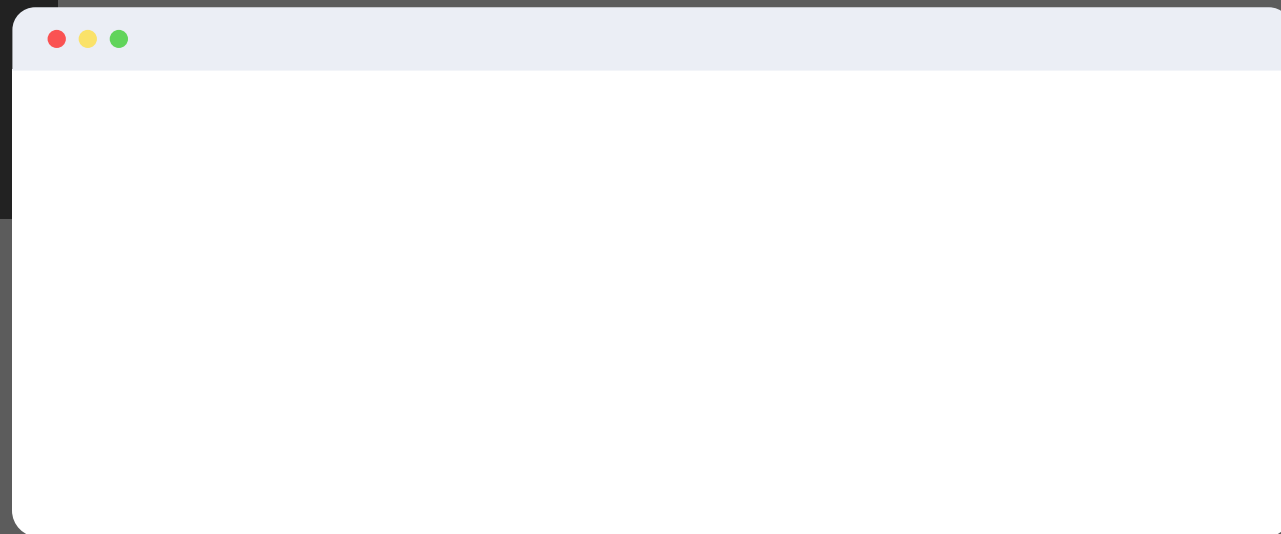
4





# Using Capture

```
1  {% capture statusMessage %}  
2    Working...<br>  
3  
4    {% assign progress = '25' %}  
5    {{ progress }}% complete<br>  
6  
7    {% assign animal = 'Buffalo' %}  
8    {% assign progress = '50' %}  
9    {{ progress }}% complete<br>  
10  
11   {% assign number = 5 | Random %}  
12   {% assign progress = '75' %}  
13   {{ progress }}% complete<br>  
14 {% endcapture %}
```





# Using Capture

```
1  {% capture statusMessage %}  
2    Working...<br>  
3  
4    {% assign progress = '25' %}  
5    {{ progress }}% complete<br>  
6  
7    {% assign animal = 'Buffalo' %}  
8    {% assign progress = '50' %}  
9    {{ progress }}% complete<br>  
10  
11   {% assign number = 5 | Random %}  
12   {% assign progress = '75' %}  
13   {{ progress }}% complete<br>  
14 {% endcapture %}  
15  
16 {{ statusMessage }}
```

## Capture vs Assign:



{% capture %} can make you wonder why text isn't showing on the page. We recommend {% assign %} where possible.

**Working...**

**25% complete**

**50% complete**

**75% complete**