



String Manipulation

Variable Example

varString = 3 Bedroom Apartment / Flat for Sale in Waverly

Goal:

Extract only the location term “Waverly”

```
varString = 3 Bedroom Apartment / Flat for Sale in Waverly
```

```
varString = Waverly
```

How to extract words from string?

1. Decide on a delimiter.
2. Convert a string to an array using `.Split` function.
3. Pull a specific string from that array using the array index.

1. Decide on a delimiter

In this case we can use the forward slash as a delimiter to separate the two

```
varString = 3 Bedroom Apartment / Flat for Sale in Waverly  
(format String)
```

2. Convert a String to an Array Using .Split

```
varString = 3 Bedroom Apartment / Flat for Sale in Waverly  
(format String)
```

```
varString.Split("/")c = {3 Bedroom Apartment , Flat for Sale in Waverly}  
(format String[] )
```

0

1

3. Pull a Specific String from that Array Using the Array Index.

```
varString.Split("/")c = {3 Bedroom Apartment , Flat for Sale in Waverly}  
(format String[] )
```

```
varString.Split("/")c(0) = 3 Bedroom Apartment  
(format String)
```

```
varString.Split("/")c(1) = Flat for Sale in Waverly  
(format String)
```

Reassign Variable

We re-assign the varString variable

```
varString.Split("/")c(1) = Flat for Sale in Waverly  
(format String)
```

```
varString = varString.Split("/")c(1)  
(format String)
```

```
varString = Flat for Sale in Waverly  
(format String)
```


Use a word as a delimiter

Then we replace “ in ” with a character. For example, “/”

```
varString = Flat for Sale in Waverly  
(format String)
```

```
varString.Replace(“ in ”,“/”) = Flat for Sale/Waverly  
(format String)
```

```
varString.Split(“/”c)(0)= Flat for Sale  
(format String)
```

```
varString.Split(“/”c)(1)= Waverly  
(format String)
```

If you use a space as a delimiter

```
varString = 3 Bedroom Apartment / Flat for Sale in Waverly  
(format String)
```

```
varString.Split(" ") = {3, Bedroom, Apartment, /, Flat, for, Sale, in, Waverly}  
(format String[] )      0      1          2      3 4 5 6 7 8
```

```
varString.Split("/")c(1) = Bedroom  
(format String)
```

```
varString.Split("/")c(8) = Waverly  
(format String)
```

Note, this won't work for locations with two words for example "Beverly Hills" because the 8th index will only pick up Beverly



That's All!