

CS 1340:Fall 2020:Lecture 07

Intro to Python for CS and Data Science

Mark Fontenot, PhD

Southern Methodist University

Types - The Highlights

- **string literal** - 'SMU'
 - something enclosed in quotes
- **sequence type** - an ordered collection of items
 - 'SMU' is really like S M U
 - The position in the sequence is called the **index**
 - **Indexes** start at 0

(you know this already, but ...)

```
school_mascot = 'Peruna'  
print (school_mascot)  
print ('school_mascot')
```

Peruna

school_mascot

- You can find the length of a *sequence* by using the `len()` function

```
school_mascot = 'Peruna'  
print(len(school_mascot))
```

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- String Concatenation

```
f_name = 'Mark'
```

```
l_name = 'Fontenot'
```

```
full_name = f_name + ' ' + l_name
```

(as we saw last week...)

- you cannot directly modify a string
 - you have to create a new string with what you want
 - ... just a reminder

Lists - 1

- **list** - a container that stores related values together
- created using square brackets []

```
universities = ['smu', 'tcu', 'utd', 'uta']  
for school in universities:  
    print (school)
```

```
smu  
tcu  
utd  
uta
```