Lessons 06 & 07

Asg 7.1

The Absolute Basics

&

The "sep=" and "end=" Python print() Function Parameters

Question #1: a. Write code to print **NUMPY** using the sep= parameter.

b. Write code to print **P a n d a s** using the sep= parameter.

c. Write code to print **P + y + t + h + o + n** using the sep= parameter.

```
In [10]: print('N','U','M','P','Y', sep='')
         print("P","a","n","d","a","s", sep=' ')
         print("P","y","t","h","o","n", sep=' + ')
```
```
NUMPY
P a n d a s
P + y + t + h + o + n
```

Question #2: a. Create a variable called hour and assign the value 10 to that variable. Create a second variable called minute and assign the value 30 to that variable. Create a third variable called seconds and assign the value 45 to that variable. Then use the sep= parameter to write code that prints out the time 10:30:45.

b. Do the same question as Part(a), but also use the end= parameter to write code that prints out the time 10:30:45 AM.

c. Create three variables month, day, and year. Assign values to those variables that correspond to today's date (September 21, 2022). Then use the sep= parameter to write code that takes today's date and prints it out in the format 09-21-2022.

d. Create a variable user_name and assign a value of smithj to that variable. Create a second variable organization and assign a value of elmbrookschool.org to that variable. Then use the

In [21]:
```python
hour = 10
minute = 30
seconds = 45
print(hour, minute, str(seconds) +".",sep=':')
```

```
10:30:45.
```

In [24]:
```python
month = "9"
day = 21
year = 2022
month = month.zfill(2)
print(month, day, year, sep="-")
```

```
09-21-2022
```

In [25]:
```python
user_name = "smithj"
organziation = "elmbrookschools.org"
print(user_name, organziation, sep="@")
```

```
smithj@elmbrookschools.org
```

In [35]:
```python
list=["Hey! What's Up?", "It's great to see that you are learning Python.", "Thank You!
counter = 1
for dialogue in list:
    print(dialogue)
    for x in range(0, counter):
        print("\n")
        counter += 1
```

Hey! What's Up?

It's great to see that you are learning Python.

Thank You! I'm having a lot of fun doing so.

You are welcome! I'm glad that you are having fun.

> **Question #4:** Use two print statements to print out the following phrase: ***This is a question about the "end" parameter.*** - The first print statement should include the words ... *This is a question about* - The second print statement should include the words ... *the "end" parameter.*

```
In [38]:  print("This is a question about", end=" ")
          print("the \"end\" parameter")

This is a question about the "end" parameter
```