

**JALEN JEUDY**  
**SEPTEMBER 16, 2021**  
**STAT 1129**  
**HOMEWORK #1**

GIT LAB:

**QUESTION #1**

```
In [1]:
favorite_colors = ["green", "purple", "blue"]
print(type(favorite_colors))
print(favorite_colors)
```

```
<class 'list'>
['green', 'purple', 'blue']
```

**QUESTION #2**

```
In[2]:
nums = list(range(30,63,3))
print(nums)
```

```
Out[2]:
[30, 33, 36, 39, 42, 45, 48, 51, 54, 57, 60]
```

```
In [3]:
nums_tuple = tuple(nums)
nums_tuple
```

```
Out[3]:
(30, 33, 36, 39, 42, 45, 48, 51, 54, 57, 60)
```

**QUESTION #3**

```
In [4]:
list = []
```

```
In [5]:
for i in range(0,6):
    list += [i]
```

```
In [6]:
```

list

Out[6]:

[0, 1, 2, 3, 4, 5]

In [7]:

**del** list[2]

In [8]:

list

Out[8]:

[0, 1, 3, 4, 5]

In [9]:

list.insert(2,2.0)

In [10]:

list

Out[10]:

[0, 1, 2.0, 3, 4, 5]

In [11]:

print(len(list))

print(max(list))

print(min(list))

6

5

0

#### QUESTION #4

In [12]:

new\_list = []

**for** i **in** range(1,11):

    new\_list += [i]

In [13]:

new\_list

Out[13]:

[1, 2, 3, 4, 5, 6, 7, 8, 9, 10]

```
In [14]:  
sum = 0  
for i in range(0,len(new_list)+1):  
    sum += i
```

```
In [15]:  
sum
```

```
Out[15]:  
55
```