In [15]:
```
import math
```

Strings

Slicing

In [19]:
```
name = 'My name is Ryan Mitchell'
```

In [2]:
```
name[0]
```

Out[2]: 'M'

In [3]:
```
name[1]
```

Out[3]: 'y'

In [4]:
```
name[0:7]
```

Out[4]: 'My name'

In [5]:
```
name[:7]
```

Out[5]: 'My name'

In [6]:
```
name[11:]
```

Out[6]: 'Ryan Mitchell'

In [7]:
```
myList = [1,2,3,4,5]
```

In [8]:
```
myList[2:4]
```

Out[8]: [3, 4]

In [9]:
```
len(name)
```

Out[9]: 24

In [10]:
```
len(myList)
```

Out[10]: 5

Formatting

In [11]:
```
'My number is: '+str(5)
```

Out[11]:
```
'My number is: 5'
```

In [12]:
```
f'My number is: {5}'
```

Out[12]:
```
'My number is: 5'
```

In [14]:
```
f'My number is: {5} and twice that is {2*5}'
```

Out[14]:
```
'My number is: 5 and twice that is 10'
```

In [16]:
```
f'Pi is: {math.pi:.2f}'
```

Out[16]:
```
'Pi is: 3.14'
```

In [17]:
```
'Pi is: {}'.format(math.pi)
```

Out[17]:
```
'Pi is: 3.141592653589793'
```

Multi-line Strings

In [21]:
```
myString = '''
Here is a long block of text
I can add newlines!
the text doesn't stop until it sees \'\'\'

'''
```

In [22]:
```
myString
```

Out[22]:
```
"\nHere is a long block of text\nI can add newlines!\nthe text doesn't stop u
ntil it sees '''\n\n"
```

In [23]:
```
print(myString)
```

```

Here is a long block of text
I can add newlines!
the text doesn't stop until it sees '''
```

In [ ]:
```

```