More on Conditionals

Indentation Tangent

elif and else MUST be on same indentation level as their if

• indentation much be aligned in general code block:

Nesting Conditionals

must use indentation properly for logic hierarchy

```
fav_color = "green"
fav_movie = "amadeus"
```

```
fav_food = "pizza"

if fav_color == "green":
    print("I love green too!")
    if fav_movie == "amadeus":
        print("I love Amadeus too!")
        if fav_food == "pasta":
            print("I love pasta too!")
```

Water Boiling Example

```
unit = input("What unit are you using? ")
temp = int(input("What temperature is the water? "))

if unit == 'f':
    if temp == 212:
        print("WATER IS BOILING!")
    else:
        print("WATER IS NOT BOILING. MUST HIT 212F")

elif unit == 'c':
    if temp == 100:
        print("WATER IS BOILING!")
    else:
        print("WATER IS NOT BOILING. MUST HIT 100C")

elif unit == 'k':
    if temp == 373:
        print("WATER IS BOILING!")
    else:
        print("WATER IS BOILING!")
else:
        print("WATER IS NOT BOILING. MUST HIT 373K")

else:
    print("I don't know those units, sorry!!")

# f - 212
# c - 100
# k - 373
```

BMI Exercise

```
height = float(input("What is your height (in inches): "))
weight = float(input("What is your weight (in lbs): "))
bmi = weight * 703 / height ** 2
bmi = round(bmi, 1)
if bmi < 16:
    category = "Severely Underweight"
elif bmi < 18.4:</pre>
```

```
category = "Underweight"
elif bmi < 24.9:
    category = "Normal"
elif bmi < 29.9:
    category = "Overweight"
elif bmi < 34.9:
    category = "Moderately Obese"
elif bmi < 39.9:
    category = "Severely Obese"
else:
    category = "Morbidly Obese"

print(f"Your BMI of {bmi} makes you {category}")</pre>
```