Python_fundamentals

May 8, 2023

[1]:
```
# Any python interpreter can be used as a calculator:
3 + 5 * 4
```

[1]:
```
23
```

[2]:
```
# lets save a value to a variable
weight_kg = 60
```

[3]:
```
print(weight_kg)
```

```
60
```

[5]:
```
# Weight0 = valid
# 0wieght = ivalid
# weight and Weight are different
```

[6]:
```
# Types of data
# There are three common types of data
# Integer numbers
# floating point numbers
# Strings
```

[7]:
```
# Floating point number
weight_kg = 60.3
```

[8]:
```
# String comprised of letters
patient_name = "Jon Smith"
```

[14]:
```
# String of comprised numbers
patient_id = '001'
```

[13]:
```
# Use varibles in python

weight_lb = 2.2 * weight_kg

print (weight_lb)
```

```
132.66
```

[15]:
```
# lets add a prefix to our patient id

patient_id = 'inflam_' + patient_id

print(patient_id)
```

```
inflam_001
```

[16]:
```
# Lets cobine print statements

print(patient_id, 'weight in kilograms:', weight_kg)
```

```
inflam_001 weight in kilograms: 60.3
```

[17]:
```
# we can call a function inside another function

print(type(60.3))

print(type(patient_id))
```

```
<class 'float'>
<class 'str'>
```

[18]:
```
# We can also do calculations inside the print function

print('weight in lbs:', 2.2 * weight_kg)
```

```
weight in lbs: 132.66
```

[19]:
```
print(weight_kg)
```

```
60.3
```

[20]:
```
weight_kg = 65.0
print('weight in kilograms is now:', weight_kg)
```

```
weight in kilograms is now: 65.0
```

[ ]:
```

```