



Hello,
World!

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EMT1111: Logic and Problem Solving | Fall 2017 | Dr. Mendoza

LESSON 4: Homework

SIMPLE PYTHON PROGRAMS



Review

Input and numeric values (inputnum.py)

```
length = int(input("What is the length?"))
width = int(input("What is the height?"))
area = length * width
print("Area of a rectangle with dimensions", length, "x", width, "is:")
print(area)
```

The function **int()** converts text to numeric value

- Remember that **input()** gives us a string value corresponding to what the user types

Input and numeric values

```
length = int(input("What is the length?"))  
width = int(input("What is the height?"))  
area = length * width  
print("Area of a rectangle with dimensions", length, "x", width, "is:")  
print(area)
```



```
What is the length? 3  
What is the height? 4  
Area of a rectangle with dimensions 3 x 4 is:  
12
```



```
What is the length? 12  
What is the height? 4  
Area of a rectangle with dimensions 3 x 4 is:  
48
```

Homework

TO DELIVER

Hwk4.1 (age.py)

Modify the program to make it generic so that it will ask the user to input his/her name and birth year. Then it will calculate and print the age.

```
name = "Zion"  
print (name)  
birthyear = 2000  
age = 2016 - birthyear  
print (age)
```

Hwk4.2 (weight.py)

Write a Python program that will ask the user to enter his/her weight in pounds. Then it will convert the user's weight to kilograms and display it.

- To convert from pounds to kilograms, use the following formula:
 - `weightInPounds * 0.45359237`

Remarks

You have to upload the following files to blackboard:

age.py

weight.py