



Hello,
World!

Hello, World!

EMT1111: Logic and Problem Solving | Fall 2016 | Dr. Mendoza

LESSON 4: Labs

SIMPLE PYTHON PROGRAMS II

Lab Assignment 1 (poem2.py)

Put the blocks below into the correct order to print a famous poem.

```
print("Roses are red.")
```

```
print("And so are you.")
```

```
print("Sugar is sweet.")
```

```
print("Violets are blue.")
```

Lab Assignment 2 (mcdonalds.py)

Put the blocks on the right into the correct order to declare the variables first and then print a following famous song.

```
print("And on that farm he had some" + animal + ", E-I-E-I-O!")
```

```
print("Old MacDonald had a farm E-I-E-I-O!")
```

```
animal = pigs
```

```
print("everywhere " + sound + " " + sound + "!")
```

```
print("With a " + sound + " " + sound + "here, and a " sound +  
" " + sound + " there ")
```

```
print("Old MacDonald had a farm E-I-E-I-O!")
```

```
sound = oink
```

Lab Assignment 3 (identity.py)

Write a Python program to ask the user to enter his/her name, school, city, state, and country. Then the program should print a message like the following (using the values entered by the user):

Alex is a student at **CITY TECH** in the city of **Brooklyn** on **New York** state. He is a citizen of the great country **USA**

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
```

Lab Assignment 4 (total.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)
```

A retail store needs a system to calculate the total sales. It needs to multiply the number of items sold by the cost of a single item and display the total cost.

1. Save this program as total.py
2. Modify this program so that ask the user for the cost of a single item (store it in the variable cost)
3. Ask the user for the number of items bought (store it the variable items)
4. Then calculate the total multiplying items times cost and store it in total.
5. Finally display the total with a nice formal sentence.