



Hello,
World!

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

Repetition: The **for** Statement

The **for** statement repeatedly executes (runs) a code block a fixed number of times.

```
for counter in [0, 1, 2, 3, 4]:  
    print(counter)
```



```
0  
1  
2  
3  
4
```

Repetition: The **for** Statement

The **for** statement repeatedly executes (runs) a code block a fixed number of times.

```
for counter in range(5) :  
    print(counter)
```



```
0  
1  
2  
3  
4
```

Homework Assignment 1 (fivelittle.py)

Write a Python program (fivelittle.py) that will print the following song to screen (next slide).

Use functions to define the chorus or parts that repeat through the song.

Use parameters for the special words that change in the chorus (only the number).

Notice how the last verse says "1 little monkey" as opposed to "1 little monkeys" and "He fell down" as opposed to "One fell down". Make sure your program prints those lines correctly.

- TIP: You should use an **if / else** structure in your chorus function to write the first and second lines of the chorus in the proper way.

Make sure your program displays an empty line after each verse so that the song is easy to read.

Homework Assignment 1: The song

*5 little monkeys jumping on the bed
One fell down and bump his head
Mama called the doctor and the doctor said
No more monkeys jumping on the bed*

*4 little monkeys jumping on the bed
One fell down and bump his head
Mama called the doctor and the doctor said
No more monkeys jumping on the bed*

*3 little monkeys jumping on the bed
One fell down and bump his head
Mama called the doctor and the doctor said
No more monkeys jumping on the bed*

*2 little monkeys jumping on the bed
One fell down and bump his head
Mama called the doctor and the doctor said
No more monkeys jumping on the bed*

*1 little monkey jumping on the bed
He fell down and bump his head
Mama called the doctor and the doctor said
No more monkeys jumping on the bed*

Homework Assignment 2(fivelittlefor.py)

Create the fivelittlefor.py program, by modify the program from Homework Assignment 1 so that you use a **for loop** that counts from 5 down to 1 and calls the *chorus* function each time with the appropriate parameter.

You should have only one call to the *chorus* function inside the for loop.