Looping

George Mason University
Today’s topics

• Review of Chapter 4: Looping
• Go over examples and questions
• looping in Python
Looping review

• What is the basic idiom for a while loop?
• Can we loop forever?
• Can we loop an unknown number of times?
• How do we debug a loop? an infinite loop?
Let’s go over the exercises
Looping in python

```python
def function():
    #YOUR CODE GOES BELOW HERE, MAKE SURE YOU INDENT!

    numberPlays = input("How many times shall I play it?")
    counter = 0
    while counter < numberPlays:
        print "...play song...",
        counter = counter + 1
    print "it's over!"

    #DO NOT WRITE CODE BELOW THIS LINE

    print function()
```

• **while** is a keyword allows the indented code beneath it to run as long as its condition is true
• a colon is needed at the end of the statement
Questions?