For Loops:

Take a look at the following code. What exactly would it print when it runs?

```
def whatAmI():
   print "I'm a ramblin' wreck from Georgia Tech and a hell of an engineer"
   print "A"
   for i in range(0,5):
     print "helluva"
   print "engineer!"
```

Code Tracing:

Below you will find code that manipulates a picture. In the box below that, assuming the box is the original picture input, color in what the picture will look like after running the function. Hint: Recall that RGB values closer to zero are dark, and RGB values closer to 255 are bright.

```
def makeSomething(pic):
   for p in getPixels(pic):
     r = getRed(p)
     g = getGreen(p)
     b = getBlue(p)
     newColor = makeColor(r/3,g/3,b/3)
     setColor(p,newColor)
   show(pic)
```

Here is the input picture, pic:

Write Your Own:

One day, a big company calls you and tells you they are desperate to find someone to write some code in Jython. Specifically, they need someone to write a function to take in an integer, then add up all the numbers from 1 to that integer and return the sum. For instance, if the function takes in 4, it would add 4+3+2+1 and return 10. Unfortunately, the CEO has declared that no recursion is to be used to solve the problem. How would you write a for loop to do the same thing?