File Reading

Basic file-reading loop

```
file = open("filename.txt", "r") # Open the file. Replace filename.txt with
                                # a real file name.
for line in file:
                                # "Magic" for loop. Reads one line of the file
                                # at a time into the string variable called line.
                                # Needed to remove the extra "newline"
 line = line.rstrip()
                                # character at the end of the line.
 print("Just read:", line)
                                # Use this print statement for debugging
                                # and remove it after your loop works.
 [process the line, including
                                # Do whatever your loop needs to do here.
  any data type conversions]
file.close()
                                # Close the file when we're done with it.
```

Hints and things to remember

- All information is always read from a file as a string.
- If the piece of information you want from the file is a number (an int or a float), use the int or float conversion function to convert it:

• When writing a file-reading loop, always remember to rstrip() the line as you read it, or else you may have extra blank lines in your output.