# Writing Information to a File

# Step 1

Open a text editor and create a python application. Name the file and use an extension of ".py". Be sure to save the file into the Desktop/PRNE/section05/ directory. Firstly, the application should open the file 'dev-01-info' for reading.

# Answer

```
file = open('dev-01-info', 'r')
```

# Step 2

Read in the information from the file, one line at a time. Strip off extra whitespace characters from each line.

# Answer

```
name = file.readline().strip()
ip_address = file.readline().strip()
os_type = file.readline().strip()
username = file.readline().strip()
password = file.readline().strip()
```

### Step 3

Write out the device information that has been read in, using the print and string formatting capabilities of Python. Print the information as a table of devices (although there will only be one device), with columns for the fields of name, IP address, OS type, username, and password.

#### Note

Python text formatting information can be found in the Job Aid section of the lab.

#### Answer

```
      print '--- Device info nicely formatted ------'

      print 'Name IP addr OS Username Password'

      print '-----'

      print '{0:8} {1:15} {2:8} {3:10} {4:10}'.format(name, ip_address, os_type, username, password)

      print '------'
```

# Step 4

Create a string containing all the device information that is separated by commas, and write the information to a file.

# Answer

### Step 5

Read in the device information from the file, and print it out.

#### Answer

```
# Read in the information we just wrote
infile = open('dev-info-out','r')  # open the new one-line file
device_info = infile.readline().strip()  # read the line from the file
infile.close()  # close the file

# Print out the information we read, from the file we just wrote
print ''
print '--- Device info read from file we wrote ------'
print 'Device Info: ', device_info
print '-------'
print ''
```