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**Python 3: The Python Environment  
Lesson 8, Project 1**

Handed in: 6 Jun 2015 01:08:33PM Graded: 10 Jun 2015 07:34:35PM

**Here are your instructions:**

Create a **Python3\_Homework08** project and assign it to your **Python3\_Homework** working set. In the **Python3\_Homework08/src** folder, create a program named **wiretimes.py** that reads the wireshark.bin data file dumped from the wireshark program (to get it, right-click the link <http://courses.oreillyschool.com/Python3/software/wireshark.bin>, select **Save Target As**, and save the file to your **Python3\_Homework08/src** folder.). The file begins with a header:

Wireshark file header:

guint32 magic\_number; /\* magic number \*/

guint16 version\_major; /\* major version number \*/

guint16 version\_minor; /\* minor version number \*/

gint32 thiszone; /\* GMT to local correction \*/

guint32 sigfigs; /\* accuracy of timestamps \*/

guint32 snaplen; /\* max length of captured packets, in octets \*/

guint32 network; /\* data link type \*/

Each packet is then preceded by a four-entry header:

guint32 ts\_sec; /\* timestamp seconds \*/

guint32 ts\_usec; /\* timestamp microseconds \*/

guint32 incl\_len; /\* number of octets of packet saved in file \*/

guint32 orig\_len; /\* actual length of packet \*/

For more detailed information about the wireshark dump file format, see <http://wiki.wireshark.org/Development/LibpcapFileFormat>.

Print the timestamp for each packet in seconds and microseconds.

Submit **wiretimes.py** when it is working to your satisfaction.

**Your Comment:**

Kirby,

Thanks for the insight. That made all the difference!

**Items Handed In**

* [Open Project Handed In](https://students.oreillyschool.com/student/project/?/.handin/147-6625-1/com.ost.jwoloson.147.6625.1.Python3_Homework08.zip)

**Overall Comments:**

Excellent!

-Kirby

**Grade:**

Great

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