User Settings percipio43\_writing\_binary\_data.py **EXPLORER △ OPEN EDITORS** 1 UNSAVED percipio43 writing binary data.py User Settings C:\Users\pcurtis7\Ap... Percipio video: Working with Files; Writing Binary Data percipio43\_writing\_binary\_data.p... **▲ PYTHON** Demonstrate how to write binary data to a file in Python. percipio11\_bytearray\_type.py percipio12\_list\_type.py In order to write binary data to a file, use 1 of 2 ways, either use bytes, or data thats percipio13\_tuple\_type.py been packed: percipio14\_slice\_type.py \* use the struck module pack percipio14a\_list\_copy\_boolean\_c... \* use the native bytes object to encode data (i.e.: text) into binary data, or bytes. ▶ 03\_Collections-Mapping-Looping ▶ 04 Modules-Functions 'ascii letters' data is a string of ASCII letters A through Z, lowercase and uppercase. ▶ 05 Classes This will be the data written to the file. ■ 06\_Working-with-Files ■ games - Shortcut.lnk from string import ascii letters # from the string module, ascii letters data is imported ≡ games.txt data = bytes(ascii letters, 'utf-8') # the data is encoded with 'utf-8' ☐ loremipsum - Shortcut.lnk
☐ print('Bytes data-1:', data) percipio36\_docstrings.py percipio37\_code\_comments.py with open('letters.bin', mode='wb') as out file: # open the file using the write mode & add percipio38\_documentation\_best... 'b' for binary percipio39\_reading\_text\_files.py out\_file.write(data) # writes the data encoded as bytes percipio40\_writing\_data.py percipio41\_writing\_large\_files.py to prove the write worked properly, read the data from the 'letter.bin' file ''' percipio42\_reading\_binary\_data.... with open('letters.bin', mode='rb') as in\_file: # percipio43 writing binary data.py data = in\_file.read() # percipio44\_exercise\_create\_cust... F reading text files - Shortcut.lnk print('Bytes data-2:', data) # binary or Bytes data is printed = reading\_text\_files.txt print('String data:', data.decode('utf-8')) # see decoding the string in the encoding sample.avi format that was used ≡ writing\_data - Shortcut.lnk writing\_data.txt RESULTS: ▶ 07\_Comprehensions FROM THE TERMINAL: > 08 Iterables-and-Generators Bytes data-1: b'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ' ▶ 09\_Exceptions Bytes data-2: b'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ' ▶ Python Projects\_2014 String data: abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ ≡ CMD\_Python\_Set-Path.txt ■ Python\_Basics.txt FROM THE 'letters.bin' FILE (open in VSC) ■ Python\_Clear-Window-Command.txt abcdefghijklmnopgrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ python\_exercises\_00.py python\_exercises\_01.py # NOTE: the Bytes data has a 'b' prefixed to a quoted string, whereas the string data has Python\_Tutorial\_Running-Scripts.docx no quotes because it's been converted to a string Python\_Tutorials.md

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