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| |  | | --- | | This week, we'll start on a new object-oriented journey, with a class that represents configuration files.  A configuration file typically contains name-value pairs, written as follows:  name = value  When you create a new instance of ConfigFile, you'll need to pass it the filename with which it'll be associated (for writing and reading) and also a separator string ("sep").  Then you are to write a "dump" method (which writes the information in memory to disk, overwriting any previously stored file) and a L"load" method (which reads the data from disk into the object, overwriting whatever was previously in memory).  As stated above, each key-value pair should be written on a separate line, with the "sep" attribute used to separate the names and values.  The values should be transformed into strings (if they aren't already), to avoid problems with typing.  In addition, you are to write "set" and "get" methods, which will let someone set and retrieve individual name-value pairs. And yes, we could just use "self.config", but this gives something of an API to our object's name-value pairs.  I'll be back on Monday with a solution.  Reuven  from solution import ConfigFile  def test\_set\_get():  cf = ConfigFile('myconfig.txt')  cf.set('a', '1')  cf.set('b', '2')  cf.set('c', 3)  assert cf.config == {'a': '1', 'b': '2', 'c': '3'}  assert cf.get('a') == '1'  assert cf.get('b') == '2'  assert cf.get('c') == '3'  def test\_store\_retrieve(tmp\_path):  filename = tmp\_path / 'myconfig.txt'  cf = ConfigFile(filename)  cf.set('a', '1')  cf.set('b', '2')  cf.set('c', '3')  cf.dump()  config\_lines = open(filename).readlines()  assert config\_lines[0] == 'a=1\n'  assert config\_lines[1] == 'b=2\n'  assert config\_lines[2] == 'c=3\n'  new\_cf = ConfigFile(filename)  new\_cf.load()  assert cf.config == new\_cf.config  Questions? Comments? Problems? The **Weekly Python Exercise forum** is at [http://forum.lerner.co.il/](http://t.dripemail2.com/c/eyJhY2NvdW50X2lkIjoiNjE2ODIxOCIsImRlbGl2ZXJ5X2lkIjoib3hiOTJ5eWM2aHllbG1ucDAyN2ciLCJ1cmwiOiJodHRwOi8vZm9ydW0ubGVybmVyLmNvLmlsLz9fX3M9aTl0ZHFocXBrd2tmOGdxZDhuZ3BcdTAwMjZ1dG1fc291cmNlPWRyaXBcdTAwMjZ1dG1fbWVkaXVtPWVtYWlsXHUwMDI2dXRtX2NhbXBhaWduPVdQRSsyMDIwK0EzXHUwMDI2dXRtX2NvbnRlbnQ9JTVCV2Vla2x5K1B5dGhvbitFeGVyY2lzZSsyMDIwK0EzJTVEK0V4ZXJjaXNlKyUyMzEwKy0tK0NvbmZpZytmaWxlIn0). To get Reuven's attention, be sure to tag your message with **@reuven**. |  |  | | --- | | To make sure you keep getting these emails, please add reuven@lerner.co.il to your address book or whitelist us. Want out of the loop? [Unsubscribe](https://t.dripemail2.).  Our postal address: 14 Migdal Oz Street, Apt. #1, Modi'in 71703 Israel | |

