



7.9: DEBUGGING



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When you are reading and writing files, you might run into problems with whitespace. These errors can be hard to debug because spaces, tabs, and newlines are normally invisible:

```
>>> s = '1 2\t 3\n 4'
>>> print(s)
1 2 3
4
```

The built-in function repr can help. It takes any object as an argument and returns a string representation of the object. For strings, it represents whitespace characters with backslash sequences:

```
>>> print(repr(s))
'1 2\t 3\n 4'
```

This can be helpful for debugging.

For most systems, there are applications to convert from one format to another. You can find them (and read more about this issue) at wikipedia.org/wiki/Newline. Or, of course, you could write one yourself.