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1 """
2 File: lab5.py
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4               Sat in front of mirror: zepoL lanreB .A suseJ – ude.
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5 Description: opened up a file, then put the numbers onto a list,
               created an image from the list then showed it.
6 Last Modified: 02/09/2019
7 Due Date: 02/11/2019
8 """
9
10 from PIL import Image
11
12 # opened sample file
13 fin = open('sample', 'r')
14
15 # from stackoverflow:
16 # https://stackoverflow.com/questions/1574678/efficient-way-to-convert
   -strings-from-split-function-to-ints-in-python
17
18 # traversed through the file and took away unnecessary space and
   semicolon, took in the integers and added them to a list of int
19 mona = [int(x) for x in fin.read().replace(';', ' ').replace('\n', ' ')
           .split(' ')]
20
21 # closed the file
22 fin.close()
23
24 # changed list of int's to raw data
25 mona = Image.frombytes('L', (18,29), bytes(mona))
26
27
28 mona.show()
29
30
31 # 18, 29 came from their being 19 columns and 29 rows in the data
32
33 """
34 Summary:
35 Overall it was not difficult, however I did have to look up how to
   change a str to an int while reading from
36 a file all in one swoop
37 """
38

```