



EXPLORER	
OPEN EDITORS	
hashbang-or-shebang.py	C:\Users...
percipio76_manipulating_csv_files...	
PYTHON	
01_Start	
02_Data-Sequence Types	
03_Collections-Mapping-Looping	
04_Modules-Functions	
05_Classes	
06_Working-with-Files	
07_Comprehensions	
08_Iterables-and-Generators	
09_Exceptions	
10_Automation Programming	
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percipio69_installing_python.py	
percipio70_managing_packages_...	
percipio71_using_variables_and_o...	
percipio72_working_with_funcio...	
percipio73_using_lists_tuples_and...	
percipio74_creating_and_running...	
percipio75_performing_file_input...	
percipio76_manipulating_csv_files..	
percipio77_processing_json_files....	
percipio78_parsing_xml_files.py	
percipio79_retrieving_data_from_...	
percipio80_managing_cron_jobs_...	
percipio81_creating_zipped_back...	

hashbang-or-shebang.py percipio76\_manipulating\_csv\_files.py

```
1  #! usr/bin/ env python3
2  '''
3  percipio76_manipulating_csv_files.py
4  Percipio video: Automation Programming; Manipulating CSV Files
5
6  HELP: Everything works in this script except line 34. The column index [] causes an error
       with any number but [0]. It will print different rows, but no columns other than [0]
7  '''
8  nl = '\n'
9  import os
10 import csv
11
12 def print_list(list_data, list_type):
13     print(nl, 'Here is the listing of {}'.format(list_type))
14     for item in list_data:
15         print(item)
16
17 # Set up the working directory, file_name, full file path
18 working_dir = 'C:\\Python36x64' # sets up the working directory
19 file_name = 'test.csv' # sets up the file name
20 new_file_name = 'test_new.csv' # sets up a new file used when writing to CSV
21 my_file = os.path.join('C:\\Python36x64', working_dir, file_name) # create the absolute
       file path for the read-only CSV file
22 my_new_file = os.path.join('C:\\Python36x64', working_dir, new_file_name) # create the
       absolute file path for the write CSV file
23
24 # read from a CSV file
```



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```
24 # read from a CSV file
25 customer_file = open(my_file) # opens the file into memory
26 customer_reader = csv.reader(customer_file) # creates a reader object using csv.reader
27 customer_data = list(customer_reader) # passing customer_data to create a list from
    customer_reader
28 print(nl, 'Passing the reader to list() creates a list of lists:', nl)
29 print('customer_data:', nl, customer_data) #
30 input('\nPress Enter to Continue...\n')
31 print_list(customer_data, 'customers') # use the print_list() function
32 input('\nPress Enter to Continue...\n')
33 print('breakpoint')
34 print('customer_data', customer_data[1][1] + ' email: ' + customer_data[1][2]) # printing
    the 1st customer, skipping the header. [row][column] # ERROR LINE
35 input('\nPress Enter to Continue...\n')
36 customer_file.close()
37
38 # write to a csv file
39 customer_file = open(my_new_file, 'w', newline = '') # opeing in write mode, newline must
    be done in windows.
40 customer_writer = csv.writer(customer_file) #
41 customer_writer.writerow(['customer_id', 'customer_name', 'customer_email', 'prov_state',
    'country'])
42 customer_writer.writerow(['', '', '', '', ''])
43 customer_writer.writerow(['001', 'Phil Curtis', 'Phil@PhilCurtis.biz', 'Minnesota', 'USA'])
44 print(nl, 'Successfully created new user data file...')
45 input('\nPress Enter to Continue...\n')
46 customer_file.close()
```

