



OBJECT ORIENTED PROGRAMMING

Reading and Writing CSV files

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Introduction

- Python by default contains the algorithm of different file coding schemes e.g. CSV, JASON, XML etc.
- CSV are excel files called comma separated values
- Such file can be opened and close in the same way as normal txt file
- For reading and writing, csv package is to be imported
- Writing
 - It is necessary to write headers first and then their data
 - Writing can be performed by creating an object for writing operation
 - E.g. `file_writer_object = csv.writer(file_handler)`
 - Then, the writing object can be used to write headers and data in csv
 - `File_writer_object.writerow(list/tuple)`
 - `File_writer_object.writerows(lists/tuples)`
 - Another method is to create file writer object using dictionary
 - `file_writer_object = csv.DictWriter(file_handler, header_list/header_tuple)`
 - Then, the same writer can be used to write headers and rows
 - `File_writer_object.writeheaders()`
 - `File_writer_object.writerows(lists/tuples)`



Reading functions

- Reading can be done is same way
 - Without dictionary data structure
 - `File_reader_object = csv.reader(file_handler)` – Create file reader handler
 - `List_variable = next(file_reader_object)` – Read file row with next function or use for loop
 - `for list_variable in file_reader_object:` – to read all rows
 - With dictionary data structure
 - `File_reader_object = csv.DictReader(file_handler)` – Create file reader handler
 - `for Dict_variable in file_reader_object:` – to read all rows from a file in form of dictionary where the index will be header of file



Questions

