

FILE HANDLING IN PYTHON

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CSV FILES

READING

csv.reader() method: It returns a reader object which iterates over lines of a CSV file. To read from a CSV file with custom delimiter we use the delimiter parameter in the reader method.

WRITING

csv.writer() method: It returns a writer object that converts the user's data into a delimited string which can be written into a CSV file using the writerow() and writerows() methods.

writerow() method: It is used to write a single row to a CSV file.

writerows() method: It is used to write multiple rows to a CSV file.

To write into a CSV file with custom delimiter we use the delimiter parameter in writer method.

BINARY FILES

WRITING

dump() method: The dump method of pickle module is used to write objects to a binary file. It takes Python object and file object as arguments.

READING

load() method: The load method of pickle module is used to read an object from a binary file. It takes file object as a parameter and returns Python object which is read from the binary file.

Opening and Closing of TEXT, Binary & CSV files

OPENING

with open statement: This method ensures that all the resources allocated to a file gets deallocated once we stop using the file.

open() function: This function uses two arguments: filename and mode of a file and returns a file object.

CLOSING

close(): This method frees up the resources that were tied with the file.

File Modes of TEXT, Binary & CSV files

FILE MODES

'r': Opens a file for reading

'w': Opens a file for writing

'a': Opens a file for appending

't': Opens a file in text mode

'b': Opens a file in binary mode

'+' : Opens a file for updating

TEXT FILES

WRITING

write() method: It takes a string as a parameter and writes it in a file.

writelines() method: It takes a list/sequence of strings as a parameter and writes it in a file.

READING

readline() method: It reads one line at a time (till newline) from a file and returns it as a string.

readlines() method: It reads the entire content of the file in one go and returns a list of lines.

read(n) method: It reads a string of size n from the specified file and returns it.