

File I/O

No.	Title	Description	Completed	Play
1	Open and close a file object.	The open method returns a file object. Syntax : open(name[, mode]). where <i>mode</i> can be 'r' (read), 'w'(write) or 'a'(append). The default mode is 'r'. The close method closes an opened file object.	✓	▶
2	write method	write(str) . Write a string to the file.	✓	▶
3	writelines method	writelines(seq) . Write a sequence of strings to the file. writelines() does not add line separators.	✓	▶
4	read method	read([size]) . Read <i>size</i> bytes from the file, unless EOF is hit. If <i>size</i> is omitted or negative, the full data is returned.	✓	▶
5	tell, seek methods	tell() gives the file's current pointer position. seek(offset, [, whence]) . Set the file pointer to the <i>offset</i> value. <i>whence</i> indicates the absolute/relative position to place the file pointer. The default(0) is always from the beginning of file.	✓	▶
6	readline method	readline([size]) . Read one line from the file. A non-negative <i>size</i> specifies the maximum bytes to read.	✓	▶
7	readlines method	readlines([sizehint]) . Return a list of lines read using readline() until EOF. If provided, <i>sizehint</i> will return approximately the specified bytes instead of reading up to EOF. For large files, it is more efficient to iterate through the file object using for .	✓	▶
8	Custom CSV Reader	The CSV (comma separated value) format is a common format used for spreadsheets and databases, for importing and exporting of data. Each line or record in the file has its fields separated by a delimiter, which can be a comma, tab, etc.	✓	▶
9	Custom CSV Writer	Define a function that takes in a list of records and stores the data in csv format.	✓	▶
10	IP address to Host name	In unix system, the '/etc/hosts' file contains the mappings of IP addresses to host names. Each entry is an individual line with the IP address on the first column followed by the corresponding host name. Comments in the file are preceded by '#'. Sample /etc/hosts <div># This is a comment 127.0.0.1 localhost 192.168.2.253 pyschools # python server</div>	✓	▶