

Python File Handling: Read, Write & More Author: Madhu Dadi Tags: python Source: <https://madhudadi.in/blog/posts>

[code block]This code demonstrates how to write to a file and the consequences of attempting to write after closing

- Closes the file to ensure that all data is flushed and resources are released properly. `[code block]` This code demon

[code block]Output[code block]This code snippet demonstrates how to read a specific number of characters from a

- Opens a text file named 'sample.txt' in read mode to access its contents- Uses readline() method to read and print

[code block]Output[code block]Using Context Manager (With)- It's a good idea to close a file after usage as it will fr

[code block]Output[code block]This code snippet demonstrates how to read the contents of a text file in Python. Exp

Reading a file in chunks of 10 characters using Python's file handling Explanation- The code opens a file named 'sa

- Prints the read chunk followed by " " to separate outputs visually, but reads the next chunk without printing it, effect

Output[`code block`]Understanding file reading and position tracking in Python using seek and tellfunctionsExplanati

[code block]Writing multiple strings to a file in Python using a context managerExplanation- The code opens a file n

for reading text files. - Since 'Screenshot.png' is a binary file, it should be opened in binary mode by using 'rb' instead

copy of the original binary file. - The use of with statements ensures that both files are properly closed after their

This code attempts to read a file and perform an arithmetic operation on its content.Explanation- The code opens a

respective values. - The with statement is used to open a file named 'sample.txt' in write mode, ensuring proper res

Output[code block]Reading a text file and converting its contents into a dictionary in PythonExplanation- The code

converting it into a JSON format.`[code block]`This code snippet demonstrates how to write a Python dictionary to a

resource management. - The `json.dump()` function is used to serialize the tuple and write it to the file, converting the

This code snippet reads and prints the contents of a JSON file in Python. Explanation- The with open('demo.json', 'r')

- It passes four parameters to the constructor: first name ('Madhu'), last name('Dadi'), age (33), and gender ('male')

Serialize a custom object to JSON format using a custom function in PythonExplanation- The code defines a functi

This Python class defines a Person with attributes and a method to display their information. Explanation- The Person

- This process converts the Python object into a byte stream, making it easy to save and transfer. [code block] Loading

file. - A for loop iterates through each line in the file opened in read mode, updating `final_line` with the current line on

Input File example: That you need to create[code block]Output File Example:[code block]This code writes and proc

Explanation- The code defines a function reverselines that takes two parameters: the input filename and the output

Q-6: Given a string calculate length of the string using recursion.Example 1:Input:[code block]Output:[code block]E

Q-7: Write a function that accepts two numbers and returns their greatest common divisor. Without using any loops

This is the smallest number of operations that can be performed to transform kitten into sitting. As a result, the edit

should return the run-length compressed list as its only result. Include a mainprogram that reads a string from the u

[code block]Output[code block]---References- Python Official Documentation â The Python Software Foundation-