

Python – Write String to Text File

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To write string to a file in Python, you can use `write()` function on the file object,

In this tutorial, we will learn how to write Python String to a file, with the help of some Python example programs.

Following is the step by step process to write a string to a text file.

1. Open the text file in write mode using `open()` function. The function returns a file object.
2. Call `write()` function on the file object, and pass the string to `write()` function as argument.
3. Once all the writing is done, close the file using `close()` function.

Example 1 – Write String to Text File in Python

Following is an example Python program in its simplest form to write string to a text file.

example.py – Python Program

```
#open text file
text_file = open("D:/data.txt", "w")

#write string to file
text_file.write('Python Tutorial by TutorialKart.')
```

```
#close file
text_file.close()
```

When you run this program, a new file is created named `data.txt` in `D:` drive and the string is written to the file. But to programmatically confirm, you can use the value returned by `write()` function. `write()` function returns the number of bytes written to the file.

example.py – Python Program

```
#open text file
text_file = open("D:/data.txt", "w")

#write string to file
n = text_file.write('Python Tutorial by TutorialKart.')
```

```
#close file
text_file.close()

print(n)
```

Output

Example 2 – Write to an existing file

If you try to write a string to an existing file, be careful. When you create a file in write mode and call write() function, existing data is lost and new data is written to the file.

For instance, in the previous example, we created a file and written some data to it.

Now we shall run the following example.

example.py – Python Program

```
#open text file
text_file = open("D:/data.txt", "w")

#write string to file
n = text_file.write('Hello World!')

#close file
text_file.close()
```

The existing file is overwritten by the new content.

Note: If you would like to append data to a file, open file in append mode and then call write() function on the file object.

Conclusion

In this [Python Tutorial](#), we learned how to write a string to a text file.

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