Getting Data in Python

Reading & Writing Text Files

By Armita Razavi

Ai PRO LAND

In This Video

💡 Open Text File in Reading mode

💡 Open Text File in Writing mode

💡 Open Text File in Append mode

💡 With Open

Open/Read Text Files

For Reading Directly a Text File:

'r' means read-only, it's assumed if you leave it out

```python
my_file = open('reading_file.txt', 'r')
```
or
```python
my_file= open('reading_file.txt')
```

Write into Text Files

For Writing Directly into a Text File:

'w' is write -- Will overwrite the file if it already exists!
my_file2 = open('writing_file.txt', 'w')

Don't forget to close your files when you're done
my_file2.close()

Append Text Files

For Appending a Text File:

'a' is append -- For adding to the end of the file -- the file content remains

```
my_file3 = open('appending_file.txt', 'a')
```

Don't forget to close your files when you're done

```
my_file3.close()
```

with open

Because it is easy to forget to close your files, you should always use them in a with block. File will be closed automatically at the end of the block:

```
with open(filename) as f:
        for line in f:
        print(line)
```

Warm Up Practice

Write a Python script to **open** a text file.

Write a Python script to **write into** a text file without **"with"** block.

Write a Python script to **append** a text file using **"with"** block.

AI PRO LAND

سرزمین حرفه‌ای های هوش مصنوعی