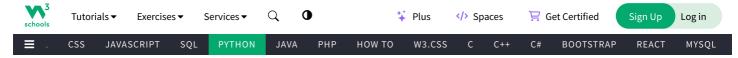
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## Python File Open



File handling is an important part of any web application.

Python has several functions for creating, reading, updating, and deleting files.

## File Handling

The key function for working with files in Python is the open() function.

The open() function takes two parameters; filename, and mode.

There are four different methods (modes) for opening a file:

```
"r" - Read - Default value. Opens a file for reading, error if the file does not exist
```

"a" - Append - Opens a file for appending, creates the file if it does not exist

"w" - Write - Opens a file for writing, creates the file if it does not exist

"x" - Create - Creates the specified file, returns an error if the file exists

In addition you can specify if the file should be handled as binary or text mode

```
"t" - Text - Default value. Text mode

"b" - Binary - Binary mode (e.g. images)
```

## **Syntax**

To open a file for reading it is enough to specify the name of the file:

```
f = open("demofile.txt")
```

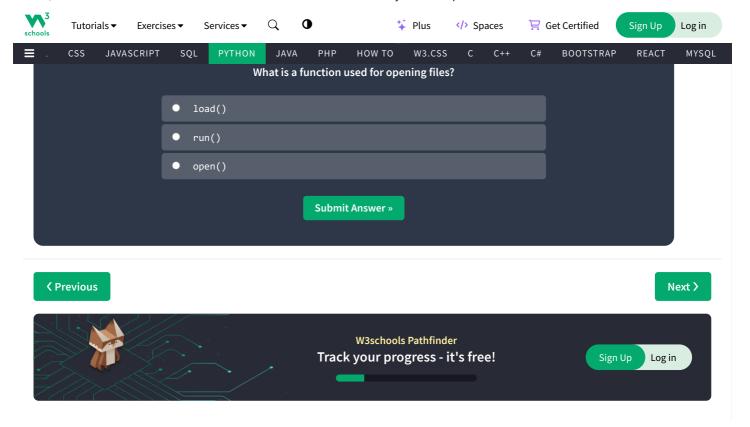
The code above is the same as:

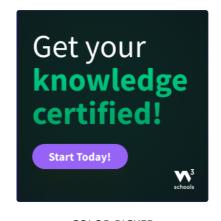
```
f = open("demofile.txt", "rt")
```

Because "r" for read, and "t" for text are the default values, you do not need to specify them.

Note: Make sure the file exists, or else you will get an error.

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