



# **File Handling**



Base Path

Relative File Path

C:\Source\project\docs\file.txt

Root

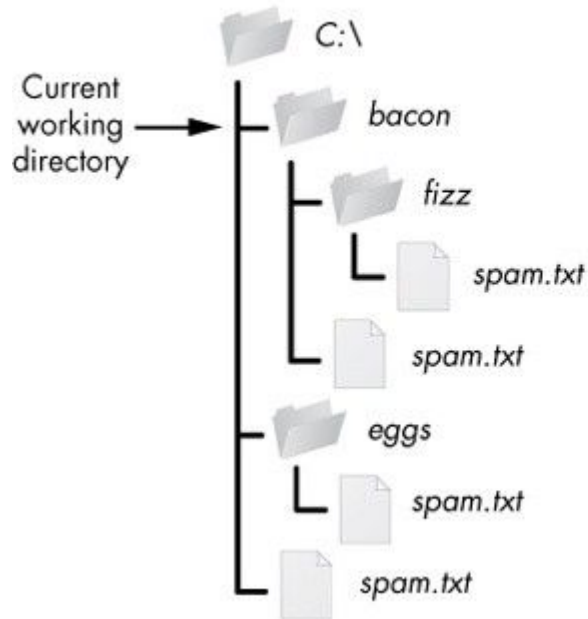
Base

Relative

File

Working "Directory" Path

Filename



#### Relative Paths

..\

.\

..\fizz

..\fizz\spam.txt

..\spam.txt

..\eggs

..\eggs\spam.txt

..\spam.txt

#### Absolute Paths

C:\

C:\bacon

C:\bacon\fizz

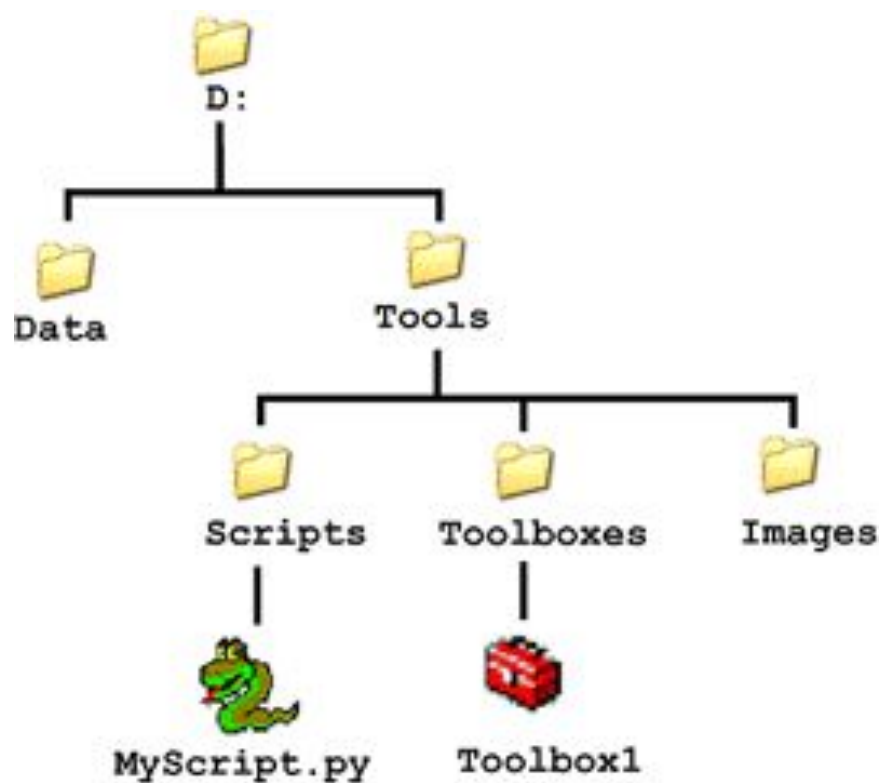
C:\bacon\fizz\spam.txt

C:\bacon\spam.txt

C:\eggs

C:\eggs\spam.txt

C:\spam.txt



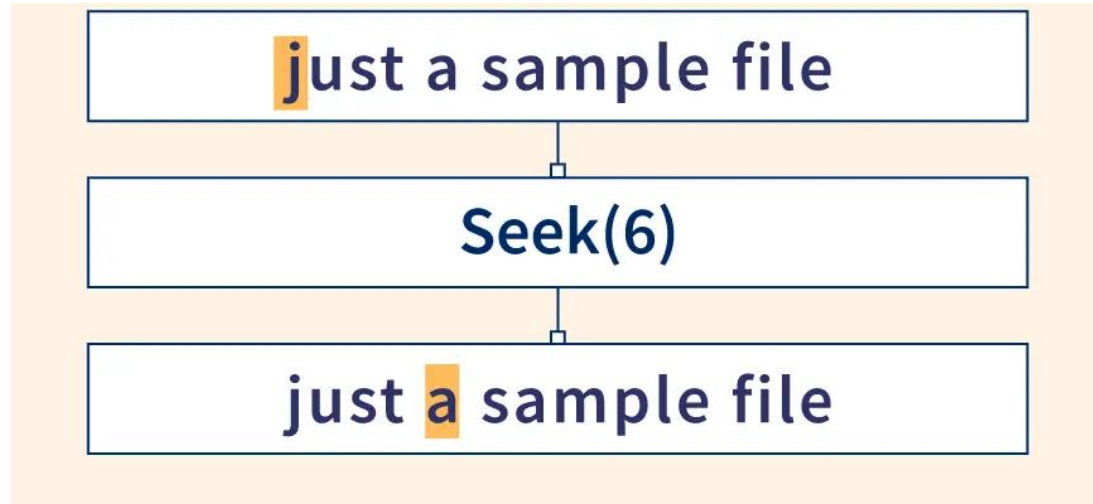


# Access Modes

Opening Mode	Mode	Starting Point	Create New File (If file not Exists)	Over right (If File exists)
r	read-only	Beginning	No (I/O error)	No
rb	read-only in binary format	Beginning	No (I/O error)	No
r+	reading and writing	Beginning	No (I/O error)	No
rb+	reading and writing in binary	Beginning	No (I/O error)	No
w	write-only	Beginning	Yes	Yes
wb	write-only in binary mode.	Beginning	Yes	Yes
w+	writing and reading.	Beginning	Yes	Yes
wb+	writing and reading in binary	Beginning	Yes	Yes
a	appending	End	Yes	No
ab	appending in binary mode.	End	Yes	No
a+	appending and reading	End	Yes	No
ab+	appending and reading in binary	End	Yes	No

# Random file access- seek()

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Seek Operation	Meaning
<code>f.seek(0)</code>	Move file pointer to the beginning of a File
<code>f.seek(5)</code>	Move file pointer five characters ahead from the beginning of a file.
<code>f.seek(0, 2)</code>	Move file pointer to the end of a File
<code>f.seek(5, 1)</code>	Move file pointer five characters ahead from the current position.
<code>f.seek(-5, 1)</code>	Move file pointer five characters behind from the current position.
<code>f.seek(-5, 2)</code>	Move file pointer in the reverse direction. Move it to the 5 <sup>th</sup> character from the end of the file

File seek function