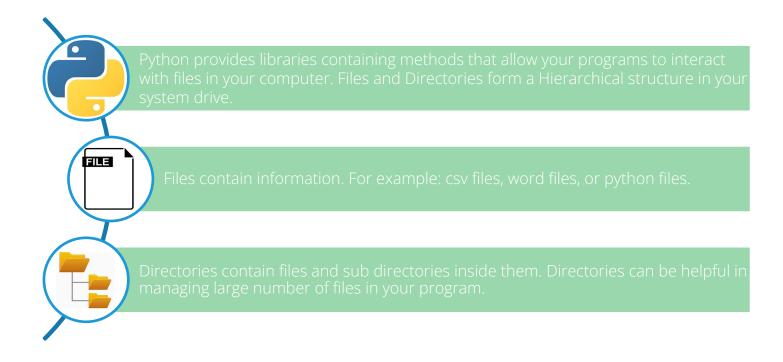
Working with Directories in Python

Getting started with Python-

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- Python has the 'os' module which provides us with several useful functions to work with files and directories.
- To get started, **import** os in your namespace

import os

- We can check current working directory or change working directory.
- getcwd() returns your current working directory in the form of a string.
- **chdir()** lets you change the working directory. The new path must be given as a string to this function.

```
# Check the current working directory
import os
os.getcwd()

'C:\\Users\\HP\\.spyder'

# Change the working directory
os.chdir("C:/Users/HP/Documents/")

Both forward (/) or
backward slash(\) can
be used.
```

• **listdir()** takes exactly 1 argument as a path and returns list of subdirectories and files in that path.

```
# List directories and files
os.listdir("c:/")

['$Recycle.Bin', 'Documents and Settings', 'hiberfil.sys',
'MSOCache', 'pagefile.sys', 'PerfLogs', 'Program Files', 'Program
Files (x86)', 'ProgramData', 'Python27', 'Recovery', 'SWSetup',
'SWTOOLS', 'System Volume Information', 'Users', 'Windows']
```

Create new directory

```
# Creating a new directory (using mkdir() function)

os.mkdir('mypython')

If the full path is not supplied, the new directory is created in the current working directory
```

• Rename a directory or file

```
# Renaming a directory or file (using rename() function)

os.rename('mypython','mynewpython')

First argument: old name
Second argument: new name

# Removing directory or file (using rmdir() & remove() function)

os.rmdir('mynewpython')
os.remove('oldfile.txt')

rmdir() removes an empty directory
remove() removes a file.
```

Quick Recap

