OS Module in python

OS Module

The OS module in Python is a built in library that provides functions for interacting with the Operating system. It allows you to perform a wide variety of task such as reading and writing files, interacting with the file system, and running system commands/

Here are some tasks you can perform with the OS module.

Reading and writing files. The OS module provides functions for opening, reading and writing files, for example to open a file for reading, you can use the open function:

Example:

```python
import os

if(not os.path.exists("new")):
    os.mkdir("new")

for i in range(0,100):
    os.mkdir(f"new/day{i+1}")
```

Interacting with the file system

The OS module also provides functions for interacting with the file system. for example you can use os.listdir function to get the list in directory.

Example:

```python
import os
print(f"My current working directory is :{os.getcwd}")
folders=os.listdir("new")
print(folders)

for folder in folders:
    print(folder)
```

```
        print(os.listdir(f"new/{folder}"))
```

```python
# main.py

import os

if(not os.path.exists("new")):
     os.mkdir("new")

for i in range(0,100):
    os.mkdir(f"new/day{i+1}")




#rename.py
import os

for i in range(0,100):
                #old name          # new name
    os.rename(f"new/day{i+1}",f"new/Tutorial {i+1}") #for chaning names



#osList.py
import os
print(f"My current working directory is :{os.getcwd}")
folders=os.listdir("new")
print(folders)

for folder in folders:
    print(folder)
    print(os.listdir(f"new/{folder}"))
```

Thank You