

In [5]:

```
import os

def count_files_in_folders(root_folder):
    """
    Count the number of files in each folder under the specified root folder.
    """
    # Create a dictionary to store the counts for each folder
    counts = {}

    # Walk through the directory tree and count the files in each folder
    for root, dirs, files in os.walk(root_folder):
        # Count the number of files in this folder
        count = len(files)

        # Add the count to the dictionary
        counts[root] = count

    # Return the dictionary of counts
    return counts
```

In [20]:

```
counts = count_files_in_folders('C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll')
counts
```

Out[20]:

```
{'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll': 1,
 'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\2018': 0,
 'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\2018\\09': 4,
 'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\2018\\10': 9,
 'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\2018\\11': 5,
 'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\2018\\12': 11,
 'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\2019': 0,
 'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\2019\\01': 5,
 'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\2019\\02': 10,
 'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\2019\\03': 1,
 'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\2019\\05': 5,
 'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\2019\\06': 4,
 'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\2019\\07': 2,
 'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\2019\\08': 0,
 'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\2019\\09': 19,
 'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\2019\\10': 12,
 'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\2019\\11': 5,
 'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\2019\\12': 7,
 'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\2020': 0,
 'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\2020\\01': 7,
 'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\2020\\02': 12,
 'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\2020\\03': 12,
 'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\2020\\04': 4,
 'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\2020\\05': 4,
 'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\2020\\06': 13,
 'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\2020\\07': 3,
 'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\2020\\08': 79,
 'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\2020\\09': 1,
 'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\2020\\10': 0,
 'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\2020\\11': 12,
 'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\2020\\12': 24,
 'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\2021': 0,
 'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\2021\\01': 1,
 'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\2021\\02': 20,
```

'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\2021\\03': 21,
'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\2021\\04': 1,
'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\2021\\05': 0,
'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\2021\\06': 2,
'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\2021\\07': 0,
'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\2021\\08': 0,
'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\2021\\09': 3,
'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\2021\\10': 25,
'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\2021\\11': 7,
'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\2021\\12': 6,
'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\2022': 0,
'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\2022\\01': 6,
'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\2022\\02': 9,
'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\2022\\03': 12,
'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\2022\\04': 11,
'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\2022\\05': 23,
'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\2022\\06': 30,
'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\2022\\07': 23,
'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\2022\\08': 14,
'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\2022\\09': 29,
'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\2022\\10': 19,
'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\2022\\11': 12,
'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\2022\\12': 5,
'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\2023': 0,
'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\2023\\01': 6,
'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\2023\\02': 1,
'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\cats': 6,
'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\Fri': 17,
'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\jpg': 0,
'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\jpg\\2016': 1,
'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\jpg\\2017': 0,
'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\jpg\\2017\\01': 31,
'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\jpg\\2017\\02': 4,
'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\jpg\\2017\\03': 14,
'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\jpg\\2017\\04': 10,
'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\jpg\\2017\\05': 3,
'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\jpg\\2017\\06': 12,
'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\jpg\\2017\\09': 5,
'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\jpg\\2017\\10': 7,
'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\jpg\\2017\\11': 8,
'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\jpg\\2017\\12': 1,
'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\jpg\\2018': 0,
'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\jpg\\2018\\01': 2,
'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\jpg\\2018\\02': 2,
'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\jpg\\2018\\03': 5,
'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\jpg\\2018\\04': 5,
'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\jpg\\2018\\05': 8,
'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\jpg\\2018\\07': 6,
'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\jpg\\2018\\08': 1,
'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\jpg\\2018\\09': 1,
'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\Mon': 20,
'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\Pol Sci': 26,
'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\Sat': 18,
'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\Sun': 18,
'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\Thu': 14,
'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\Tue': 8,
'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\Wed': 15}

```
In [19]: counts = count_files_in_folders('C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\jpg\\  
counts
```

```
Out[19]: {'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\jpg\\2017': 0,  
'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\jpg\\2017\\01': 31,  
'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\jpg\\2017\\02': 4,  
'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\jpg\\2017\\03': 14,  
'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\jpg\\2017\\04': 10,  
'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\jpg\\2017\\05': 3,  
'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\jpg\\2017\\06': 12,  
'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\jpg\\2017\\09': 5,  
'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\jpg\\2017\\10': 7,  
'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\jpg\\2017\\11': 8,  
'C:\\Users\\User\\OneDrive\\Pictures\\Camera Roll\\jpg\\2017\\12': 1}
```

```
In [ ]:
```