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LAB-6

Code:

```
from pathlib import Path
entries = Path("C:/Users/anumo/Downloads/2nd year")
for entry in entries.iterdir():
    if entry.is_file():
        print(entry.name)
```

Output:

```
file1.txt
file10.txt
file11.txt
file12.txt
file13.txt
file14.txt
file15.txt
file16.txt
file17.txt
file18.txt
file19.txt
file2.txt
file20.txt
file3.txt
file4.txt
file5.txt
file6.txt
file7.txt
file8.txt
file9.txt
lab-1.pdf
lab-2.pdf
lab-3.pdf
lab-5.pdf
sc1.txt
```

Code:

```
from pathlib import Path
rootdir = 'C:/Users/anumo/Desktop/6th sem'
for path in Path(rootdir).iterdir():
    if path.is_dir():
        print(path.name)
```

Output:

DWDM
MOBILE

Code:

```
from pathlib import Path
def listdirs(rootdir):
    for path in Path(rootdir).iterdir():
        if path.is_dir():
            print(path.name)
            listdirs(path)
```

```
rootdir = 'C:/Users/anumo/Desktop/6th sem'
listdirs(rootdir)
```

Output:

DWDM
MOBILE
lab
theory

Code:

```
from pathlib import Path
list = []
def listdirs(rootdir):
    for path in Path(rootdir).iterdir():
        if path.is_file():
```

```

        list.append(path.name)
    if path.is_dir():
        list.append(path.name)
        listdirs(path)
    return list
rootdir = 'C:/Users/anumo/Desktop/6th sem'
list1 = listdirs(rootdir)
print(list1)
print("MedicalApp" in list1)
print(len(list1))

```

Output:

```

['DWDm', 'Lab1-18BCE7300.pdf', 'Lab1_18BCE7300.pdf', 'Lab2_18BCE7300.pdf',
'Lab3_18BCE7300.pdf', 'MOBILE', 'lab', 'LAB3_18BCE7300-Mobile.pdf', 'theory',
'WIN_SEM(2020-21)_CSE4002_ETH_AP2020215000080_Reference_Material_I_27-Ja
n-2021_class1_introduction_to_course.pdf']
False
10

```

Code:

```

from pathlib import Path
list = []
def listdirs(rootdir):
    for path in Path(rootdir).iterdir():
        if path.is_file():
            list.append(path.name)
        if path.is_dir():
            list.append(path.name)
            listdirs(path)

    return list
rootdir = 'C:/Users/anumo/Desktop/6th sem'
list1 = listdirs(rootdir)
print(list1)
print("MedicalApp" in list1)
print(len(list1))
with open('C:/Users/anumo/Downloads/securecoding/secure.txt', 'w') as f:
    f.writelines(["%s\n" % item for item in list1])

```

Output:

 secure - Notepad
File Edit Format View Help
DWDM|
Lab1-18BCE7300.pdf
Lab1_18BCE7300.pdf
Lab2_18BCE7300.pdf
Lab3_18BCE7300.pdf
MOBILE
lab
LAB3_18BCE7300-Mobile.pdf
theory
WIN_SEM(2020-21)_CSE4002_ETH_AP2020215000080_Reference_Material_I_