

Python 2.7.10 (default, May 23 2015, 09:44:00) [MSC v.1500 64 bit (AMD64)] on win32
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```
>>> import os
>>> os.listdir("C:\Users\William\Projects\python\Udacity\Programming Foundations
with Python")
['Lesson 1', 'README.md']
>>> os.listdir(r"C:\Users\William\Projects\python\Udacity\Programming Foundations
with Python")
['Lesson 1', 'README.md']
>>> input("test:")
test:1
1
>>> inp = input("test:") print inp
SyntaxError: invalid syntax
>>> inp = input("test:")print inp
SyntaxError: invalid syntax
>>>
>>>
>>> \
```

```
>>>
>>> \
    inp = input("t:")
t:
```

```
Traceback (most recent call last):
  File "<pyshell#14>", line 2, in <module>
    inp = input("t:")
  File "<string>", line 0
```

```
    ^
SyntaxError: unexpected EOF while parsing
>>>
>>> \
    input("T")\
    ok
SyntaxError: invalid syntax
>>> r'\ '
SyntaxError: EOL while scanning string literal
>>> r'\\ '
'\\\\ '
>>> fn = "file_name"
>>> data={}
>>> data[fn] = "some random 235 stuff.file"
>>> data[fn].translate(None, "0123456789")
'some random  stuff.file'
>>> ===== RESTART =====
```

IDLE_tmp_meo6in

```
>>>
['16los angeles.jpg', '17cairo.jpg', '22rochester.jpg', '25madrid.jpg',
'28houston.jpg', '29bristol.jpg', '29buenos aires.jpg', '2chennai.jpg',
'2hyderabad.jpg', '35miami.jpg', '36sydney.jpg', '37athens.jpg', '41seoul.jpg',
'45austin.jpg', '45ithaca.jpg', '46colombo.jpg', '47london.jpg', '47sao paulo.jpg',
'47singapore.jpg', '48sunnyvale.jpg', '4istanbul.jpg', '50san diego.jpg', '52new
york.jpg', '54dallas.jpg', '55kiev.jpg', '5bogota.jpg', '61edinbrugh.jpg',
'64seattle.jpg', '66san jose.jpg', '68pune.jpg', '69chicago.jpg', '69shanghai.jpg',
'72bangalore.jpg', '72bucharest.jpg', '73delhi.jpg', '74tel aviv.jpg',
'83gainesville.jpg', '88jacksonville.jpg', '89berkeley.jpg', '90beijing.jpg',
'93manchester.jpg', '96karachi.jpg', '97oakland.jpg', '9barcelona.jpg']
```

Traceback (most recent call last):

File "C:/Users/William/Projects/python/Udacity/Programming Foundations with Python/Lesson 1/rename_files.py", line 12, in <module>

rename_files()

File "C:/Users/William/Projects/python/Udacity/Programming Foundations with Python/Lesson 1/rename_files.py", line 10, in rename_files

os.rename(file_name, file_name.translate(None, "0123456789"))

WindowsError: [Error 2] The system cannot find the file specified

```
>>> search_directory = "C:\Users\William\Projects\python\Udacity - Non
Github\prank\"
```

SyntaxError: invalid syntax

```
>>> search_directory = r"C:\Users\William\Projects\python\Udacity - Non
Github\prank\"
```

SyntaxError: invalid syntax

```
>>> search_directory = "C:\Users\William\Projects\python\Udacity - Non
Github\prank\"
```

SyntaxError: EOL while scanning string literal

```
>>> search_directory = "C:\Users\William\Projects\python\Udacity - Non
Github\prank\"
```

SyntaxError: EOL while scanning string literal

```
>>> search_directory = r"C:\Users\William\Projects\python\Udacity - Non
Github\prank\"
```

SyntaxError: EOL while scanning string literal

```
>>> search_directory = r"C:\"
```

SyntaxError: EOL while scanning string literal

```
>>> search_directory = r"C:\hmm"
```

```
>>> search_directory = r"C:\Users\William\Projects\python\Udacity - Non
Github\prank"
```

```
>>> ===== RESTART =====
```

```
>>>
```

Current Working Directory is C:\Users\William\Projects\python\Udacity\Programming Foundations with Python\Lesson 1

```
>>> ===== RESTART =====
```

```
>>>
```

```
['16los angeles.jpg', '17cairo.jpg', '22rochester.jpg', '25madrid.jpg',
'28houston.jpg', '29bristol.jpg', '29buenos aires.jpg', '2chennai.jpg',
'2hyderabad.jpg', '35miami.jpg', '36sydney.jpg', '37athens.jpg', '41seoul.jpg',
```

```

IDLE_tmp_meo6in
'45austin.jpg', '45ithaca.jpg', '46colombo.jpg', '47london.jpg', '47sao paulo.jpg',
'47singapore.jpg', '48sunnyvale.jpg', '4istanbul.jpg', '50san diego.jpg', '52new
york.jpg', '54dallas.jpg', '55kiev.jpg', '5bogota.jpg', '61edinbrugh.jpg',
'64seattle.jpg', '66san jose.jpg', '68pune.jpg', '69chicago.jpg', '69shanghai.jpg',
'72bangalore.jpg', '72bucharest.jpg', '73delhi.jpg', '74tel aviv.jpg',
'83gainesville.jpg', '88jacksonville.jpg', '89berkeley.jpg', '90beijing.jpg',
'93manchester.jpg', '96karachi.jpg', '97oakland.jpg', '9barcelona.jpg']
Current Working Directory is C:\Users\William\Projects\python\Udacity\Programming
Foundations with Python\Lesson 1
>>> search_directory = "C:\Users\William\Projects\python\Udacity - Non Github\prank"
>>> os.rename(search_directory+r"\17cario.jpg", search_directory+r"\1cario.jpg" )

```

```

Traceback (most recent call last):
  File "<pyshell#34>", line 1, in <module>
    os.rename(search_directory+r"\17cario.jpg", search_directory+r"\1cario.jpg" )
WindowsError: [Error 2] The system cannot find the file specified
>>> os.rename(search_directory+r"rocheste\.jpg", search_directory+r"\cario.jpg"
)Traceback (most recent call last):

```

```

SyntaxError: invalid syntax
>>> os.rename(search_directory+r"rocheste\.jpg", search_directory+r"\cario.jpg"
)os.rename(search_directory+r"rocheste\.jpg", search_directory+r"\cario.jpg" )
SyntaxError: invalid syntax
>>> os.rename(search_directory+r"rocheste\.jpg", search_directory+r"\cario.jpg" )

```

```

Traceback (most recent call last):
  File "<pyshell#37>", line 1, in <module>
    os.rename(search_directory+r"rocheste\.jpg", search_directory+r"\cario.jpg" )
WindowsError: [Error 3] The system cannot find the path specified
>>> os.rename(search_directory+r"rochester\.jpg", search_directory+r"\cario.jpg" )

```

```

Traceback (most recent call last):
  File "<pyshell#38>", line 1, in <module>
    os.rename(search_directory+r"rochester\.jpg", search_directory+r"\cario.jpg" )
WindowsError: [Error 3] The system cannot find the path specified
>>> ===== RESTART =====
>>>

```

```

Traceback (most recent call last):
  File "C:/Users/William/Projects/python/Udacity/Programming Foundations with
Python/Lesson 1/rename_files.py", line 25, in <module>
    rename_files(search_directory)
NameError: name 'rename_files' is not defined
>>> ===== RESTART =====
>>>

```

```

Traceback (most recent call last):
  File "C:/Users/William/Projects/python/Udacity/Programming Foundations with
Python/Lesson 1/rename_files.py", line 25, in <module>

```

```

IDLE_tmp_meo6in
removeNumbersFromFilesInDir(search_directory)
File "C:/Users/William/Projects/python/Udacity/Programming Foundations with
Python/Lesson 1/rename_files.py", line 6, in removeNumbersFromFilesInDir
    file_list = os.listdir(search_directory)
WindowsError: [Error 3] The system cannot find the path specified:
'C:\Users\William\Projects\python\Udacity - Non Github\prank/*.*'
>>> print("removed images and placed them in parent directory-")
removed images and placed them in parent directory-
>
>>> print("now moved back with numbers in them")
now moved back with numbers in them
>>> ===== RESTART =====
>>>
['16los angeles.jpg', '17cairo.jpg', '22rochester.jpg', '25madrid.jpg',
'28houston.jpg', '29bristol.jpg', '29buenos aires.jpg', '2chennai.jpg',
'2hyderabad.jpg', '35miami.jpg', '36sydney.jpg', '37athens.jpg', '41seoul.jpg',
'45austin.jpg', '45ithaca.jpg', '46colombo.jpg', '47london.jpg', '47sao paulo.jpg',
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york.jpg', '54dallas.jpg', '55kiev.jpg', '5bogota.jpg', '61edinbrugh.jpg',
'64seattle.jpg', '66san jose.jpg', '68pune.jpg', '69chicago.jpg', '69shanghai.jpg',
'72bangalore.jpg', '72bucharest.jpg', '73delhi.jpg', '74tel aviv.jpg',
'83gainesville.jpg', '88jacksonville.jpg', '89berkeley.jpg', '90beijing.jpg',
'93manchester.jpg', '96karachi.jpg', '97oakland.jpg', '9barcelona.jpg']
Old Filename: 16los angeles.jpg
New Filename: \los angeles.jpg
Old Filename: 17cairo.jpg
New Filename: \cairo.jpg
Old Filename: 22rochester.jpg
New Filename: \rochester.jpg
Old Filename: 25madrid.jpg
New Filename: \madrid.jpg
Old Filename: 28houston.jpg
New Filename: \houston.jpg
Old Filename: 29bristol.jpg
New Filename: \bristol.jpg
Old Filename: 29buenos aires.jpg
New Filename: \buenos aires.jpg
Old Filename: 2chennai.jpg
New Filename: \chennai.jpg
Old Filename: 2hyderabad.jpg
New Filename: \hyderabad.jpg
Old Filename: 35miami.jpg
New Filename: \miami.jpg
Old Filename: 36sydney.jpg
New Filename: \sydney.jpg
Old Filename: 37athens.jpg
New Filename: \athens.jpg
Old Filename: 41seoul.jpg
New Filename: \seoul.jpg

```

IDLE_tmp_meo6in

Old Filename: 45austin.jpg
New Filename: \austin.jpg
Old Filename: 45ithaca.jpg
New Filename: \ithaca.jpg
Old Filename: 46colombo.jpg
New Filename: \colombo.jpg
Old Filename: 47london.jpg
New Filename: \london.jpg
Old Filename: 47sao paulo.jpg
New Filename: \sao paulo.jpg
Old Filename: 47singapore.jpg
New Filename: \singapore.jpg
Old Filename: 48sunnyvale.jpg
New Filename: \sunnyvale.jpg
Old Filename: 4istanbul.jpg
New Filename: \istanbul.jpg
Old Filename: 50san diego.jpg
New Filename: \san diego.jpg
Old Filename: 52new york.jpg
New Filename: \new york.jpg
Old Filename: 54dallas.jpg
New Filename: \dallas.jpg
Old Filename: 55kiev.jpg
New Filename: \kiev.jpg
Old Filename: 5bogota.jpg
New Filename: \bogota.jpg
Old Filename: 61edinbrugh.jpg
New Filename: \edinbrugh.jpg
Old Filename: 64seattle.jpg
New Filename: \seattle.jpg
Old Filename: 66san jose.jpg
New Filename: \san jose.jpg
Old Filename: 68pune.jpg
New Filename: \pune.jpg
Old Filename: 69chicago.jpg
New Filename: \chicago.jpg
Old Filename: 69shanghai.jpg
New Filename: \shanghai.jpg
Old Filename: 72bangalore.jpg
New Filename: \bangalore.jpg
Old Filename: 72bucharest.jpg
New Filename: \bucharest.jpg
Old Filename: 73delhi.jpg
New Filename: \delhi.jpg
Old Filename: 74tel aviv.jpg
New Filename: \tel aviv.jpg
Old Filename: 83gainesville.jpg
New Filename: \gainesville.jpg
Old Filename: 88jacksonville.jpg

IDLE_tmp_meo6in

```
New Filename: \jacksonville.jpg
Old Filename: 89berkeley.jpg
New Filename: \berkeley.jpg
Old Filename: 90beijing.jpg
New Filename: \beijing.jpg
Old Filename: 93manchester.jpg
New Filename: \manchester.jpg
Old Filename: 96karachi.jpg
New Filename: \karachi.jpg
Old Filename: 97oakland.jpg
New Filename: \oakland.jpg
Old Filename: 9barcelona.jpg
New Filename: \barcelona.jpg
>>>
```