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# Assignment 3

Assignment Project Exam Help

<https://eduassistpro.github.io/>

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Python Modules

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## OS

- This module implements some useful functions on accessing the filesystem.
- <https://eduassistpro.github.io/> in the case of OSError ths, or other arguments that have , but are not accepted by the operating sys

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## OS

`os.getcwd()`

Return a string representing the current working directory

`os.li`

`R`

by *path*

<https://eduassistpro.github.io/>

entries in the directory given

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`os.mkdir(path)`

Create a directory named *path*

`os.rmdir(path)`

Remove (delete) the directory *path*. The directory should be empty.

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## OS

`os.chmod(path, mode)`

Change the mode of *path* to the numeric *mode*.

`os.chown(path, uid, gid)` <https://eduassistpro.github.io/>

Change the owner and group of *path* to the numeric *uid* and *gid*. To leave one of them unchanged, set it to -1.

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## OS

`os.open(file, flags[, mode])`

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Open the file *file* and set various flags according to *flags* and  
poss . Return the file descriptor  
for t

0777 (octal).

<https://eduassistpro.github.io/>

Some Open() flag constants

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`os.O_RDONLY`

`os.O_WRONLY`

`os.O_RDWR`

`os.O_CREAT`

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## OS

`os.write(fd, str)`

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Write the string *str* to file descriptor *fd*. Return the number of  
byte

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`os.access(path, mode)`

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To check if the user is authorized to access *path*. Return True  
if access is allowed, False if not.

`os.lstat(path)`

Perform the equivalent of an `lstat()` system call on the given *path*

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# filecmp

`filecmp.cmp(f1, f2[, shallow])`

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Compare the files named `f1` and `f2`, returning **True** if they seem equal.

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By default, `cmp()` compares the contents of the files. The `shallow` argument tells `cmp()` whether to look at the contents of the file, as well. - `filecmp.cmp(f1, f2, False)`

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# shutil

## Assignment Project Exam Help

`shutil.copyfile(src, dst)`

Copies file named *src* to a file named *dst*. *dst* is replaced. *src* and *dst* are path names given as strings.

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`shutil.rmtree(path)`

Delete an entire directory tree.

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# glob

`glob.glob(pattern)`  
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For a `pattern` with characters in brackets. For  
example <https://eduassistpro.github.io/>

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## re

This module provides regular expression matching operations

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The functions in this module could check if a particular string matches a give

**Reg** <https://eduassistpro.github.io/>

specifies a set of string pattern

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e.g.

- '+' indicates *one or more* occurrences of the preceding element.
  - ab+c matches "abc", "abbc", "abbbc", and so on, but not "ac".
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## re

`re.compile(pattern, flags=0)`

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Compile a regular expression pattern, returning a pattern object

<https://eduassistpro.github.io/>

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The expression's behavior is modified by specifying a **flags** value.

E.g. `re.I`: Ignore case.

combined using bitwise OR (the `|` operator).

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# re

`re.search(pattern, string, flags=0)`

- Scan through string looking for the first location where the regular expression pattern produces a match

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- <https://eduassistpro.github.io/>

`re.match(pattern, string,`

- `if zero or more characters` string match the regular expression pattern
  - Return a corresponding match object
  - Return None if the string does not match the pattern;
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# re

`re.match(pattern, string, flags=0)`

e.g.  
*prog* **Assignment Project Exam Help** *= re.compile(pattern)*

<https://eduassistpro.github.io/>

*result* **Add WeChat edu\_assist\_pro** *= re.match(pattern, string)*

but using `re.compile()` and saving the resulting regular expression object for reuse is more efficient when the expression will be used several times in a single program.

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# os.path

`os.path.abspath(path)`

Return a normalized absolutized version of the pathname *path*.

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`>>> os.path.abspath('/usr/local/python3/bin/python')  
'/usr/local/python3/bin/python'`

`os.p`

**<https://eduassistpro.github.io/>**

Return the base name of

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`>>> os.path.basename('/usr/local/python3/bin/python')  
'python'`

`os.path.dirname(path)`

Return the directory name of pathname *path*.

`>>> os.path.dirname('/usr/local/python3/bin/python')  
'/usr/local/python3/bin/'`

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# os.path

os.path.**join**(*path*, \**paths*)

• Join one or more path components intelligently

- *path* and any members of *paths* (which may be an empty sequence) following each other, separated by `os.sep` (or `os.altsep` if it is non-empty), except that at the result will only end in a separator if the last path component is non-empty. If a component is an absolute path, all previous components are thrown away and joining continues from the absolute path component.

```
>>>
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/tmp/file
```

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os.path.join("/tmp",file)
```

- If a component is an absolute path, all previous components are thrown away and joining continues from the absolute path component.
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# os.path

os.path.**exists**(*path*)

- Return True if *path* refers to an existing path or an open file descriptor.
- Returns False for broken symbolic links.

os.p

- ry.

- This follows symbolic link and `isdir()` can be true for the same path.

os.path.**islink**(*path*)

Return True if *path* refers to an existing directory entry that is a symbolic link.

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