

Think Python:
Chapter 14
(up to “Catching Exceptions”)

Programs that keep at least some of their data permanently stored are called _____ programs.

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persistent

Writing to a file requires a second parameter for the open function -
_____.

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_____.

'w'

The _____ method puts data into a file.

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`write`

The write method requires a(n) _____ argument.

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string

% is the modulus operator if it is used with an integer as its first operand, but is termed the _____ operator if it is used with a string as its first operand.

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`format`

What is output by the following interactive Python snippet?

```
>>> a=1  
>>> b=2  
>>> c=4  
>>> 'The first three powers of 2 are %d %d %d' % (a, b, c)
```

What is output by the following interactive Python snippet?

```
>>> a=1
>>> b=2
>>> c=4
>>> 'The first three powers of 2 are %d %d %d' % (a, b, c)
```

'The first three powers of 2 are 1 2 4'

What is output by the following interactive Python snippet?

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Traceback (most recent call last):

File "<stdin>", line 1, in <module>

TypeError: not all arguments converted during string formatting

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```

Traceback (most recent call last):

File "<stdin>", line 1, in <module>

TypeError: not enough arguments for format string

Describe in English what the following interactive Python session would output:

```
>>> import os  
>>> cwd = os.getcwd()
```

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```

The current working directory (which is the expansion of **cwd**)

What does `os` stand for as the imported module name below?

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```

Operating system (as in Windows, Mac, Linux)

Another name for a folder (which could hold a collection of files) is a(n) _____.

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directory

A string like...

/Users/mamp/Desktop/WINTER-2018/CIS-40/WEEK-7/LAB-7

that identifies a file or directory is called a(n)
_____.

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/Users/mamp/Desktop/WINTER-2018/CIS-40/WEEK-7/LAB-7

that identifies a file or directory is called a(n)
_____.

path

An absolute path gives a complete path to a file or directory. It ALWAYS begins with a(n) _____.

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/ (slash)

What is the term for the type of path used as an argument to `exists()` below?

```
>>> os.path.exists("LAB-7/solutions/words.txt")
```

```
True
```

```
>>> os.path.exists("LAB-7/solutions/nonexistent.txt")
```

```
False
```

```
>>>
```

What is the term for the type of path used as an argument to exists() below?

```
>>> os.path.exists("LAB-7/solutions/words.txt")
True
>>> os.path.exists("LAB-7/solutions/nonexistent.txt")
False
>>>
```

relative path