

Python

OOP

Call parent constructor

```
super().__init__()
```

String formatting

- using the % operator (old)

```
logger.debug('Got argument %s.' % arg)
```

- str.format (new: string formatters)

```
print("Sammy has {} balloons.".format(5))
print("Sammy has {} and {} balloons.".format(5, 7))
print("Sammy has {0} and {1} balloons.".format(5, 7))
print("Sammy has {1} and {0} balloons.".format(5, 7))
```

- interpolated strings

```
print("{firstname} {lastname}".format(firstname="Horst",
lastname="Gutmann"))
```

- new f-strings in Python 3.6

```
name = 'Fred'
age = 42
print(f'He said his name is {name} and he is {age} years old.')
```

logger

Logger is optimized to defer evaluation of arguments until it is needed, so for best performance use % formatting. Instead of this:

```
logger.error('oops caused by %s' % exc)
```

do that:

```
logger.error('oops caused by %s', exc)
```

Exceptions

- [exception-hierarchy](#)
- [Manually raising \(throwing\) an exception in Python](#)

Ignore exception

```
try:  
    do_something()  
except Exception:  
    pass
```

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