

????? http://wiki.jiayun.org/PEP_8_-_Styl...ode#References????? Guido van Rossum?Barry Warsaw??????JiaYun

??

????? Python ????????????? Python ????????????? Python ? C ?????? C ????????????? PEP[1]?

????? Guido ??? Python ??????[2]????? Barry ?????[5]???????????? PEP ? Guido ????? PEP ?????????????
????? <?>??

????????????

Guido ??? Python ????????????? [PEP 20](#) [6] ?????????
?????

?? module ? function ??????????

?????????????????????? ?? ???

????????????????

1. ???
2. ??? Extreme Programming ??????

?????

??

????????? 4 ????

?? tab?

tab ????

?????? tab ????

?? Python ??? Python ?????? -t ????????? tab ??????
???????? -tt ?????????????????????????????????????

???????????????????? tab ???

??????

?????????? 79 ??????

?????????????? 80 ??????????????? 80 ??? 79 ????
?????????????docstring ??????????????? 72 ??????

???????????????????????????????? Python ???

class Rectangle(Blob):

```

def __init__(self, width, height,
             color='black', emphasis=None, highlight=0):
    if width == 0 and height == 0 and \
        color == 'red' and emphasis == 'strong' or \
        highlight > 100:

```

```
raise ValueError("sorry, you lose")
if width == 0 and height == 0 and (color == 'red' or
    emphasis is None):
    raise ValueError("I don't think so")
Blob.__init__(self, width, height,
    color, emphasis, highlight)
```

???

????? function ? class ???????????

class ?? method ?????????????

???????????????????????????? function????????????????????????????

? function ?????????????????????

Python ? control-L???? ^L??

??PEP 263?

Python ????????????????? ASCII ? Latin-1?? ISO-8859-1????? Python 3.0 ??????UTF-8 ? Latin-1 ??????? [PEP 3120](#)?

?? ASCII?? UTF-8?? Python 3.0 ??????????????????? "coding: utf-8"??Latin-1?? UTF-8????????? docstring ???

?? Python 3.0 ????????????????????? [PEP 3131](#)???? Python ????????????????? ASCII ?????????????????????

????????????????????????????????

import

import ???????????????

????

import os
import sys

????

import sys, os

??????????

from subprocess import Popen, PIPE

import ????????????????? module ??? docstring ?????? module ?????????????

import ??????????

1. ?????? import
2. ?????????? import
3. ??????/?????? import

?? import ?????????????? ?????? __all__ ??? import ???

????? package ?????? import?

?? import ?????? package ?????????? PEP 328 [7] ??? Python 2.5 ?????????????????? import ??????????????
import ??????????????????

??? class ??? module ? import class ??????????????

```
from myclass import MyClass
from foo.bar.yourclass import YourClass
```

?????????????????

```
import myclass
import foo.bar.yourclass
```

???? "myclass.MyClass" ? "foo.bar.yourclass.YourClass"

expression ? statement ????

????

?????????????????

?????????????????

????

```
spam(ham[1], {eggs: 2})
```

????

```
spam( ham[ 1 ], { eggs: 2 } )
```

?????????????

????

```
if x == 4: print x, y; x, y = y, x
```

????

```
if x == 4 : print x , y ; x , y = y , x
```

?????????????
????

spam(1)

????

spam (1)

??? slice ??????
????

dict['key'] = list[index]

????

dict ['key'] = list [index]

????????????????????????????????????
????

x = 1
y = 2
long_variable = 3

????

x = 1
y = 2
long_variable = 3

????

????????????????????????????????????=????????+=, -= ?????????==, <, >, !=, <>, <=, >=, in, not in, is, is not?????and, or, not??

?????????????
????

i = i + 1
submitted += 1
x = x * 2 - 1
hypot2 = x * x + y * y
c = (a + b) * (a - b)

????

```
i=i+1
submitted +=1
x = x*2 - 1
hypot2 = x*x + y*y
c = (a+b) * (a-b)
```

? '=' ?????????????????????????????????
 ????

```
def complex(real, imag=0.0):
    return magic(r=real, i=imag)
```

????

```
def complex(real, imag = 0.0):
    return magic(r = real, i = imag)
```

?? statement ?????? statement?????????
 ????

```
if foo == 'blah':
    do_blah_thing()
do_one()
do_two()
do_three()
```

??????

```
if foo == 'blah': do_blah_thing()
do_one(); do_two(); do_three()
```

???? if/for/while ??
 ??????

```
if foo == 'blah': do_blah_thing()
for x in lst: total += x
while t < 10: t = delay()
```

?????

```
if foo == 'blah': do_blah_thing()
else: do_non_blah_thing()
```

try: something()
finally: cleanup()

do_one(); do_two(); do_three(long, argument,
list, like, this)

if foo == 'blah': one(); two(); three()

??
??
??
??
????????????????????

?????Strunk ? White ? "The Elements of Style" ?????

??????? Python ?????????????????? 120% ??????????????????

???
?? # ?????????????????????
???????????????????? # ?????

???
????????????

?????? statement ?????????????? statement ?????????????????????? # ??????
??

x = x + 1 # Increment x

???????????

x = x + 1 # Compensate for border

???
????????? docstring????????? [PEP 257](#) [3]?

?? public ? module?function?class?method ?????????? public ? method ?????????????????????? method ??????????
?? "def" ?????

PEP 257 ?????????????????????????????????????? "???" ??????????????????????????????????

"""Return a foobang
Optional plotz says to frobnicate the bizbaz first.
"""

?????

?????

????? `l'??? L??`O'??? o??`l'??? i???????

????????????????????????????? `l'`??? `L'?

package ? module ??

module ?????????????????????????????????Python ? package ??????????????????????

?? module ????????????????????????????????????? module ?????? ?? ????? Unix ????????????????????? Mac
? Windows ????? DOS ??????

? C ? C++ ????? module ????? Python module ?????????????????C/C++ ? module ??????????? _socket??

class ??

????????class ????????????????????? class?????????????

exception ??

?? exception ??? class?class ????????????? exception ????????????? "Error" ?????

?????

???????????????? module ????????????????????? function ???

??? "from M import *" ??? module ??? __all__ ??
?module ????????

function ??

function ?????????????????????????????????

mixedCase ????????????????????????? threading.py?????????????????

function ? method ??

instance method ?????????? 'self'?

class method ?????????? 'cls'?

? function ????????????????????????????????????? "print_" ? "prnt" ??????????????????????????

method ??? instance ??

?? function ??????????????????????????????

??? public ? method ? instance ??????????????

????? subclass ????????????????? Python ? name mangling ???

Python ?? class ?? mangle ????????????????? class Foo ??? __a ? attribute????? Foo.__a ??????????????????????
Foo._Foo__a ????????????????????????????????? class ? attribute ??????

?????????????????????????????

?????

????? class ? method ? instance ??????????attribute??? public ?? public????????? public????????? public ??
public attribute ??? public ???

public attribute ????????????????????? class ????????????? public attribute ????????????????????? public ? attribute ?

?????????exception ??? Python 3000 ?????3.0??????

?? exception ?????????? exception ??????? 'except:' ???

???

try:

```
import platform_specific_module
except ImportError:
    platform_specific_module = None
```

?? 'except:' ????? SystemExit ? KeyboardInterrupt ??? exception??? Control-C ?????????????????????????????????
 ?????????????? exception????? 'except Exception:'?

????????????? 'except' ??????????????

1. exception ??

2. ?????????????????????? 'raise' ? exception ????'try ...finally' ??????????????????

???????? try/except ????'try' ?? bug?

????

try:

```
value = collection[key]
except KeyError:
    return key_not_found(key)
else:
    return handle_value(value)
```

????

try:

```
# Too broad! ??????
return handle_value(collection[key])
except KeyError:
    # Will also catch KeyError raised by handle_value()
    # ?????? handle_value() ??? KeyError?
    return key_not_found(key)
```

???? method ????'string module' ? function?

??? method ?????????? unicode ?????????? API????????? Python 2.0 ??????????????????????

? ".startswith() ? ".endswith() ?????????????????????????? slice?

startswith() ? endswith() ??????????????????????????

????

```
if foo.startswith('bar'):
```

```
    ????
```

```
if foo[:3] == 'bar':
```

```
    ????????????? Python 1.5.2 ??????????
```

```
????????????? isinstance() ???????????
```

```
    ????
```

```
if isinstance(obj, int):
```

```
    ????
```

```
if type(obj) is type(1):
```

```
    ?????????????????????????? unicode ???Python 2.3 ??str ? unicode ??? base class ?? basestring??????????
```

```
if isinstance(obj, basestring):
```

```
    Python 2.2 ??types module ?????????? StringType ???
```

```
from types import StringType
```

```
if isinstance(obj, StringType):
```

```
    Python 2.0 ? 2.1 ??????????
```

```
from types import StringType, UnicodeType
```

```
if isinstance(obj, StringType) or \
    isinstance(obj, UnicodeType) :
```

```
    ?????string, list, tuple????????? false ???
```

```
    ????
```

```
if not seq:
```

```
if seq:
```

```
    ????
```

```
if len(seq)
```

```
if not len(seq)
```

