

- description :
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- lastupdate : 2020-06-25

```
# Section10
#
#
# SyntaxError, TypeError, NameError, IndexError, ValueError, KeyError..
#      가
# linter :
#####
### SyntaxError :
#####
# print('test)
# print('Hello'))
# if True
#     pass
# a = 20; b = 30; a+ = b
# x => y
#####
### NameError :
#####
a = 10
b = 15
# print(c)
#####
### ZeroDivisionError : 0
#####
# print(10 / 0)
```

```
#####  
### IndexError :  
#####  
  
x = [10, 20, 30]  
  
# print(x[1])  
# print(x[3]) #  
# print(x.pop())  
# print(x.pop())  
# print(x.pop())  
# print(x.pop()) #  
# print(x.pop(50)) #  
  
#####  
### KeyError  
#####  
  
dic = {'name': 'Kim', 'Age': 33, 'City': 'Seoul'}  
  
# print(dic['hobby']) # 가  
# print(dic.get('hobby')) #  
  
# 가 가  
# (EAFP )  
  
#####  
### AttributeError : ,  
#####  
  
import time  
  
# print(time.time())  
# print(time.month()) #  
  
x = [1, 2, 3]  
# print(x.append(4))  
# print(x.add(10))  
  
#####  
### ValueError :  
#####  
  
x = [1, 5, 9]  
  
# x.remove(5)
```

```

# print(x)

# x.remove(100)
# print(x) #

t = (10, 100, 1000)

print(t.index(100))
# print(t.index(7)) #

#####
### FileNotFoundError
#####

# f = open('test.txt') #

#####
### TypeError :
#####

x = [1, 2]
y = (1, 2)
z = 'test'

# print(x + y) #
# print(x + z) #
# print(y + z) #
# print(sum([1,2,3],10,1)) #

# print(x + list(y))
# print(x + list(z))

#####
#
# try          가      가
# except      1:     가 (      )
# except      2:
# else:              try      가
# finally:
#####

#      1

name = ['Kim', 'Lee', 'Park']

try:
    z = 'Kim' # 'Cho'
    x = name.index(z)
    print('{} Found it! {} in name'.format(z, x + 1))
except ValueError:

```

```
    print('Not found it! - Occurred ValueError!')
else:
    print('ok! else!')

print()

#    2

try:
    z = 'Kim' # 'Cho'
    x = name.index(z)
    print('{} Found it! {} in name'.format(z, x + 1))
except: # (Exception)
    print('Not found it! - Occurred ValueError!')
else:
    print('ok! else!')

print()

#    3

try:
    z = 'Kim' # 'Cho'
    x = name.index(z)
    print('{} Found it! {} in name'.format(z, x + 1))
except Exception as e:
    print(e) #
    # pass #
else:
    print('ok! else!')
finally:
    print('ok! finally!') #

print()

#    4
#

try:
    print('try')
finally:
    print('finally')

print()

#    5
#        : raise
# raise

try:
    a = 'Park'
```

```

    if a == 'Kim':
        print('Ok! pass')
    else:
        raise ValueError
except ValueError:
    print('Raise! Occurred ValueError')
except Exception:
    print('Occurred Exception')
else:
    print('ok! else!')

#####
#
# try          가      가
# except      1:   가 (   )
# except      2:
# else:       try      가
# finally:
#####

```

```

1
Kim Found it! 1 in name
ok! else!

Kim Found it! 1 in name
ok! else!

Kim Found it! 1 in name
ok! else!
ok! finally!

try
finally

Raise! Occurred ValueError

```

# Tip

, [python](#),

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. - 2023.12

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Last update: 2023/01/13 18:44